

United States Environmental Protection Agency Washington, DC 20460 Work Assignment						Work Assignment Number SERAS-000 <u>123</u>																																																															
						<input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment Number:																																																															
Contract Number EP-W-09-031			Contract Period Base <input checked="" type="checkbox"/> Option Period Number:			Title of Work Assignment Coyne Textile																																																															
Contractor: Lockheed Martin, Inc.					Specify Section and Paragraph of Contract SOW <u>II-A4</u>																																																																
Purpose: <input checked="" type="checkbox"/> Work Assignment Initiation <input type="checkbox"/> Work Assignment Amendment <input type="checkbox"/> Work Plan Approval					<input type="checkbox"/> Work Assignment Close-Out <input type="checkbox"/> Incremental Funding																																																																
					Periods of Performance: From: <u>Efficient</u> Date of Approval To: <u>7/1/2012</u>																																																																
Comments: Conduct ground water fate and transport modeling																																																																					
X Superfund <input type="checkbox"/> Oil <input type="checkbox"/> Homeland Security <input type="checkbox"/> Non-Superfund																																																																					
Accounting and Appropriations Data																																																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Line</th> <th>DC (Max 6)</th> <th>Budget/FYs (Max 4)</th> <th>Appropriations Code (Max 6)</th> <th>Budget Org/Code (Max 7)</th> <th>Program Element (Max 9)</th> <th>Object Class</th> <th>Amount</th> <th>Site/Project (Max 6)</th> <th>Cost Org/Code (Max 7)</th> </tr> </thead> <tbody> <tr><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>2</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>										Line	DC (Max 6)	Budget/FYs (Max 4)	Appropriations Code (Max 6)	Budget Org/Code (Max 7)	Program Element (Max 9)	Object Class	Amount	Site/Project (Max 6)	Cost Org/Code (Max 7)	1										2										3										4										5									
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Contractor WP Dated:			Cost/Fee:			LOE:																																																															
Work Assignment Manager Name: Greg Powell <u>Nancy Ur</u> (Signature) <u>1/6/11</u> (Date)						Branch/Mail Code MS-101 Phone Number 513-569-7533F Fax Number 732-321-6724																																																															
Project Officer Name: Nancy Ur <u>Nancy Ur</u> (Signature) <u>1/6/11</u> (Date)						Branch/Mail Code MS-101 Phone Number 732-321-6745 Fax Number 732-321-6724																																																															
Other Agency Official Name: (Signature) (Date)						Branch/Mail Code Phone Number Fax Number																																																															
Contracting Official Name: Claudia Armstrong <u>Claudia Armstrong</u> (Signature) <u>1-6-11</u> (Date)						Branch/Mail Code MC 3805R Phone Number (202)564-6679 Fax Number (202)565-2558																																																															
Contractor Acknowledgement of Receipt and Approval of Workplan (Signature and Title) <u>Dennis Powell</u>						Date: <u>1/7/11</u>																																																															

SERAS-123

Work Assignment Detailed Performance Work Statement

Work Assignment Title: Coyne Textile

Purpose:

Review existing data to develop a response strategy identifying treatment technologies to abate vapors beneath the Coyne Facility. Ground water data will be evaluated to construct a preliminary model for capture zone analysis and develop treatment alternatives including approximate capital costs.

Background:

The Coyne Textile site is located in Huntington, West Virginia. The Coyne site is a former industrial laundry facility and previous investigations have detected elevated levels of volatile organic compounds in the soils and ground water. A plume of contaminated ground water is migrating north towards the Ohio River. The northern extent of the plume is located under Westmoreland Park, but has not migrated under nearby residences.

Detailed Task Description:

The contractor shall perform the following tasks:

The contractor shall evaluate existing data and develop preliminary remediation options to mitigate soil vapors beneath the former laundry facility. The contractor shall evaluate ground water data and develop preliminary recommendations for a ground water pump and treat system. A technical memorandum shall be prepared discussing the various remediation options.

Required Reports:

1. In conformance with the requirements of the SERAS contract, all environmental sampling and monitoring performed under this task shall be provided in an electronic data deliverable (EDD) form compatible with Scribe. The Scribe project data file shall be a mandatory deliverable.
2. In conformance with the requirements of the SERAS contract, all deliverables and other relevant project information shall be submitted in electronic format to the appropriate ERT-IMS website. Submission of deliverables to the appropriate ERT-IMS website shall be considered delivery to the WAM as of the date and time such deliverables are received on the website.
3. Provide: Site Specific QAPP.

Schedule:

Project initiation in January, 2011

Suggested Skill Mix/Personnel Qualifications:

Ground Water Modeler
Treatability Chemist

Period of Performance:

Effective Date of Approval through: 7/1/2012

Utilize DCN SD1003 Rec'd in Mod. #030

United States Environmental Protection Agency Washington, DC 20460 Work Assignment						Work Assignment Number SERAS-124.2																																																																			
						<input type="checkbox"/> Original <input checked="" type="checkbox"/> Amendment Number: 02																																																																			
Contract Number EP-W-09-031			Contract Period Base X Option Period Number:			Title of Work Assignment Iceland Vapor																																																																			
Contractor: Lockheed Martin, Inc.					Specify Section and Paragraph of Contract SOW A,B,3, d,4,E																																																																				
Purpose: <input type="checkbox"/> Work Assignment Initiation <input type="checkbox"/> Work Assignment Close-Out <input checked="" type="checkbox"/> Work Assignment Amendment <input type="checkbox"/> Incremental Funding <input type="checkbox"/> Work Plan Approval					Periods of Performance: From: Effective Date of Approval To:																																																																				
Comments: Amendment #2. Conduct round of vapor intrusion sampling.																																																																									
* Final Budget not to exceed 36K																																																																									
<input checked="" type="checkbox"/> Superfund <input type="checkbox"/> Oil <input type="checkbox"/> Homeland Security <input type="checkbox"/> Non-Superfund																																																																									
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This Action							33																																																																		
Total							383																																																																		
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Contractor WP Dated:					Cost/Fee:		LOE:																																																																		
Cumulative Approved:					Cost/Fee:		LOE:																																																																		
Work Assignment Manager Name: Jeff Catanzarita						Branch/Mail Code MS-101																																																																			
(Signature) (Date) 2/10/14						Phone Number 609.865.0002																																																																			
						Fax Number 732-321-6724																																																																			
Project Officer Name: Sella Burchette						Branch/Mail Code MS-101																																																																			
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(Signature) _____ (Date) _____						Phone Number																																																																			
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Contracting Official Name: Nicole A. Hairston						Branch/Mail Code MC 3805R																																																																			
(Signature) (Date) 2/18/14						Phone Number (202) 564-6679																																																																			
						Fax Number (202) 565-2558																																																																			
Contractor Acknowledgement of Receipt and Approval of Workplan (Signature and Title)								Date: 2/19/14																																																																	

Monday, February-10-14

SERAS
EP-W-09-031
Statement of Work
Iceland Cleaner Superfund Site
Vineland, NJ
WA-124.2

Objective:

Conduct, via duplication of last round of sampling, another round of indoor air and sub-slab sampling.

Background:

The Site is located at the former Iceland Coin Laundry and Dry Cleaning facility, at 1888 South Delsea Drive, in the City of Vineland, Cumberland County, New Jersey. The Site consists of the former facility and the associated contaminated groundwater plume to the south/southwest of the former facility. The contaminated groundwater plume area encompasses South Delsea Drive, Dirk Drive, Garrison Road, Lois Lane, South Orchard Road, West Elmer Road, and West Korff Drive. ERT has performed slab and indoor air in the past. This sampling event is a continuation of an ongoing monitoring program.

Task Description:

The contractor shall perform the following:

Task 1 (Air Sampling):

- Contractor shall duplicate the last round of sampling and compare all historical results with new data.
- Submit Final Report (text, map, figures & tables) 10 working days after receipt of validated data package;
- SERAS shall provide CD copys of Report in format that WAM has requested in the past i.e., separate pdf files.

Required Reports:

A Report shall be received by the ERT WAM 10 working weeks after validated data is received by SERAS. SERAS shall incorporate ERT's comments and submit a finalized Report no later than 10 days after receipt of ERT's comments. Along with the standard items, the Report shall include an executive summary, concise text review of data, and graphical presentation of all COCs and other essential items.

In conformance with the requirements of the SERAS contract, all environmental sampling and monitoring performed under this task shall be provided in an electronic data deliverable

(EDD) form compatible with Scribe. The Scribe project data file shall be a mandatory deliverable.

In conformance with the requirements of the SERAS contract, all deliverables and other relevant project information shall be submitted in electronic format to the appropriate ERT-IMS website. Submission of deliverables to the appropriate ERT-IMS website shall be considered delivery to the WAM as of the date and time such deliverables are received on the website.

Site Specific QAPP.

Schedule:

Sampling shall commence no later than March 11, 2014.

Reports shall be submitted no later than April 30, 2014

Suggested SERAS personnel:

Period of Performance:

-Effective date of approval through Sept 2014.

EPA United States Environmental Protection Agency Washington, DC 20460 Work Assignment		Work Assignment Number 0-124								
		<input type="checkbox"/> Other <input checked="" type="checkbox"/> Amendment Number: #2								
Contract Number EP-W-09-031	Contract Period 09/23/2009 To 09/22/2014 Base Option Period Number 1	Title of Work Assignment/SF Site Name Iceland Vapor								
Contractor LOCKHEED MARTIN SERVICES, INC.		Specify Section and paragraph of Contract SOW A, B, 3, d, 4 E								
Purpose: <input type="checkbox"/> Work Assignment <input type="checkbox"/> Work Assignment Close-Out <input checked="" type="checkbox"/> Work Assignment Amendment <input type="checkbox"/> Incremental Funding <input type="checkbox"/> Work Plan Approval		Period of Performance From 10/27/2009 To 09/22/2014								
Comments: The purpose of this amendment is to increase the LOE from 350 to 383 LOE hours. The contractor shall submit a revised workplan inclusive of a detailed summary of the additional task and a revised total cost estimate in accordance with the contract terms. All other terms and conditions remain unchanged.										
<input checked="" type="checkbox"/> Superfund Accounting and Appropriations Data <input type="checkbox"/> Non-Superfund										
Note: To report additional accounting and appropriations data use EPA Form 1900-69A.										
SFO (Max 2) <input type="checkbox"/>										
Line	DCN (Max 6)	Budget/FY (Max 4)	Appropriation Code (Max 6)	Budget Org/Code (Max 7)	Program Element (Max 9)	Object Class (Max 4)	Amount (Dollars)	(Cents)	Site/Project (Max 8)	Cost Org/Code (Max 7)
1										
2										
3										
4										
5										
Authorized Work Assignment Ceiling										
Contract Period: 09/23/2009 To 09/22/2014		Cost/Fee:		LOE: 350						
This Action:				33						
Total:				383						
Work Plan / Cost Estimate Approvals										
Contractor WP Dated:		Cost/Fee:		LOE:						
Cumulative Approved:		Cost/Fee:		LOE:						
Work Assignment Manager Name Sella Burchette				Branch/Mail Code:						
(Signature) _____		(Date) _____		Phone Number 732-321-6726						
				FAX Number:						
Project Officer Name Sella Burchette				Branch/Mail Code:						
(Signature) _____		(Date) _____		Phone Number: 732-321-6726						
				FAX Number:						
Other Agency Official Name				Branch/Mail Code:						
(Signature) _____		(Date) _____		Phone Number:						
				FAX Number:						
Contracting Official Name Nicole A. Hairston				Branch/Mail Code:						
(Signature) <i>Nicole A. Hairston</i>		(Date) 2/18/14		Phone Number: 202-564-2466						
				FAX Number: 202-565-3099						

United States Environmental Protection Agency Washington, DC 20460 Work Assignment				Work Assignment Number SERAS- 98 <u>125</u>				
				<input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment Number:				
Contract Number EP-W-09-031		Contract Period Base <input checked="" type="checkbox"/> Option Period Number:		Title of Work Assignment 2011 Superbowl Site				
Contractor: Lockheed Martin, Inc.			Specify Section and Paragraph of Contract SOW A-b,e,f,g B-d,g,h,j,k C-I D-c,e E-1b,g					
Purpose: <input checked="" type="checkbox"/> Work Assignment Initiation <input type="checkbox"/> Work Assignment Amendment <input type="checkbox"/> Work Plan Approval			<input type="checkbox"/> Work Assignment Close-Out <input type="checkbox"/> Incremental Funding		Periods of Performance: From: Effective Date of Approval To: September 22, 2012			
Comments:								
<input type="checkbox"/> Superfund <input type="checkbox"/> Oil <input type="checkbox"/> Homeland Security <input checked="" type="checkbox"/> Non-Superfund								
Accounting and Appropriations Data								
	DC	Budget/FYs	Appropriations	Budget Org/Code	Program Element	Object	Site/Project	Cost Org/Code
Line	(Max 6)	(Max 4)	Code (Max 6)	(Max 7)	(Max 9)	Class	Amount	(Max 6)
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Authorized Work Assignment Ceiling								
Contract Period:			Cost/Fee:		LOE:			
Previously Approved								
This Action					2.05			
Total					2.05			
Work Plan / Cost Estimate Approvals								
Contractor WP Dated:			Cost/Fee:		LOE:			
Cumulative Approved:			Cost/Fee:		LOE:			
Work Assignment Manager Name: David B. Mickunas <i>(Signature)</i> <i>1/13/11</i> (Date)			Branch/Mail Code E343-04 Phone Number 919-541-4191 Fax Number 919-541-0359					
Project Officer Name: Nancy Ur <i>(Signature)</i> <i>1/13/11</i> (Date)			Branch/Mail Code MS-101 Phone Number 732-321-6745 Fax Number 732-321-6724					
Other Agency Official Name: <i>(Signature)</i> <i>(Date)</i>			Branch/Mail Code Phone Number Fax Number					
Contracting Official Name: Gloria Kane <i>(Signature)</i> <i>1/13/11</i> (Date)			Branch/Mail Code MC 3805R Phone Number (202) 564-6679 Fax Number (202) 565-2558					
Contractor Acknowledgement of Receipt and Approval of Workplan (Signature and Title)						Date: <i>1/13/11</i>		

Work Assignment Detailed Statement of Work

Work Assignment Title: 2011 Superbowl Site

Purpose:

The 2011 Superbowl is to occur on 06 February 2011 in Dallas, TX. The US EPA Region 6 has requested that the US EPA Environmental Response Team and its contractor to provide technical assistance during the time before, during, and after the Superbowl. The Trace Atmospheric Gas Analyzer (TAGA) has been requested to support these activities and will be predeployed, along with contractor staffing, at a location near Dallas, TX from 01 to 07 February 2011.

Background:

The TAGA has been requested to support numerous special event operations in the past where there may be a need for rapid analyses during chemical releases. The Superbowl is considered an event requiring heightened security. These special events require the US EPA to predeploy government officials, equipment, and contractors to address protection issues associated with the public and the environment.

The contractor shall perform the following tasks:

1. Be prepared to monitor for selected toxic compounds (CWAs) using the US EPA/ERT's ECA Trace Atmospheric Gas Analyzer IIe (TAGA) in the area near Dallas, TX to assist US EPA Region 6 in its efforts to establish if a release of air toxics has occurred. Stationary and mobile monitoring for target compounds will be performed in accordance with the ERTC/REAC Draft Standard Operating Procedure (SOP) #1711, Trace Atmospheric Gas Analyzer IIe (TAGA) Operations. Real-time ambient air monitoring will be performed using a selected ion technique.
2. Be prepared to analyze Tedlar bag samples, which were collected using a grab method, on the GC/MS using the loop method for TO 15 compounds.
3. During the monitoring events, the position of the US EPA/ERT's mobile laboratory will be determined by visual observations logged in the operator's notes and in data files collected by a Global Positioning System (GPS). The TAGA bus is equipped with a GPS Pathfinder Pro XR receiver. The antenna for each respective receiver is mounted on the roof of the bus, which is attached to the receiver inside the bus. The receiver will be operated using an onboard PC and data will be collected directly or in the Trimble TSC datalogger/control device for subsequently downloaded.

Required Reports:

1. In conformance with the requirements of the REAC contract, all environmental sampling and monitoring performed under this task shall be provided in an electronic data deliverable (EDD) form compatible with Scribe. The Scribe project data file shall be a mandatory deliverable.
2. In conformance with the requirements of the REAC contract, all deliverables and other relevant project information shall be submitted in electronic format to the appropriate ERT-IMS website. Submission of deliverables to the appropriate ERT-IMS website shall be considered delivery to the WAM as of the date and time such deliverables are received on the website.
3. A final analytical report, if requested in writing by the WAM, is due 2 weeks after demobilization. The report will include the TAGA monitoring and the Tedlar bag sample results.

Schedule:

Field activities are scheduled to commence on 1 February 2011 and conclude on 07 February 2011. The final deliverable, if requested by the WAM in writing, is due 22 February 2011. The laboratory must be transported to Dallas, TX and arrive at an exact location to be determined on the morning of 1 February 2011. The laboratory is scheduled to depart the Dallas, TX area on 7 February 2011. The Las Vegas TAGA laboratory will be used for this assignment.

Suggested Skill Mix/Personnel Qualifications:

- 1-Senior MS/MS Chemist with GC/MS analysis capabilities
- 1-Driver/Mechanic

Period of Performance:

Effective Date of Approval through:

Effective Date of Approval through: September ²²~~20~~, 2012

EPAUnited States Environmental Protection Agency
Washington, DC 20460**Work Assignment**

Work Assignment Number

0-125

☐

Other

☐

Amendment Number:

Contract Number

EP-W-09-031

Contract Period 09/23/2009 To 09/22/2012

Base ☒ Option Period Number

Title of Work Assignment/SF Site Name

Superbowl 2011 Site

Contractor

LOCKHEED MARTIN SERVICES, INC.

Specify Section and paragraph of Contract SOW

SOW, A-b,e,f,g B-d,g,h,i,k C-1D-c,eE-1b,g

Purpose:

☒

Work Assignment

☐

Work Assignment Close-Out

☐

Work Assignment Amendment

☐

Incremental Funding

☐

Work Plan Approval

Period of Performance

From 09/23/2009 To 09/22/2012

Comments:

The purpose of this action is to initiate WA # 125, Super Bowl Site with 205 LOE hours and request the contractor's WP. The Contractor shall prepare a WP inclusive of a detailed technical and staffing plan and cost estimate. All other terms and conditions remain unchanged.

☐

Superfund

Accounting and Appropriations Data

☒

Non-Superfund

SFO
(Max 2)☐

Note: To report additional accounting and appropriations data use EPA Form 1900-69A.

Line	DCN (Max 6)	Budget/FY (Max 4)	Appropriation Code (Max 6)	Budget Org/Code (Max 7)	Program Element (Max 9)	Object Class (Max 4)	Amount (Dollars)	(Cents)	Site/Project (Max 8)	Cost Org/Code (Max 7)
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5										

Authorized Work Assignment Ceiling

Contract Period:

09/23/2009 To 09/22/2012

Cost/Fee:

LOE: 0

This Action:

205

Total:

205

Work Plan / Cost Estimate Approvals

Contractor WP Dated:

Cost/Fee:

LOE:

Cumulative Approved:

Cost/Fee:

LOE:

Work Assignment Manager Name Dave Mickunas

Branch/Mail Code:

Phone Number 919-541-4191

FAX Number:

(Signature)

(Date)

Project Officer Name Nancy Ur

Branch/Mail Code:

Phone Number: 732-321-6745

FAX Number:

(Signature)

(Date)

Other Agency Official Name

Branch/Mail Code:

Phone Number:

FAX Number:

(Signature)

(Date)

Contracting Official Name Gloria Kane

Branch/Mail Code:

Phone Number: 202-564-4437

FAX Number:

(Signature)

(Date)

Work Assignment Form. (WebForms v1.0)

United States Environmental Protection Agency Washington, DC 20460 Work Assignment				Work Assignment Number 0-126 <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment Number:			
Contract Number EP-W-09-031		Contract Period Base <input checked="" type="checkbox"/> Option Period Number:		Title of Work Assignment Dominguez Channel Spill			
Contractor: Lockheed Martin, Inc.			Specify Section and Paragraph of Contract SOW II - A - 4				
Purpose: <input checked="" type="checkbox"/> Work Assignment Initiation <input type="checkbox"/> Work Assignment Amendment <input type="checkbox"/> Work Plan Approval			<input type="checkbox"/> Work Assignment Close-Out <input type="checkbox"/> Incremental Funding		Periods of Performance: From: Effective Date of Approval To: 5/1/2011		
Comments: PREVIOUSLY CONDUCTED UNDER EMERGENCY RESPONSE WORK ASSIGNMENT 001 <div style="text-align: center; font-size: 1.2em; margin-top: 10px;"> <i>Funds provided by Region 9 (DCN KR0003)</i> </div>							
<div style="display: flex; justify-content: space-between;"> <input type="checkbox"/> Superfund <input type="checkbox"/> Oil <input type="checkbox"/> Homeland Security <input type="checkbox"/> Non-Superfund </div>							
Accounting and Appropriations Data							
DC	Budget/FYs	Appropriations	Budget Org/Code	Program Element	Object	Site/Project	Cost Org/Code
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Previously Approved							
This Action							
Total							
Work Plan / Cost Estimate Approvals							
Contractor WP Dated:		Cost/Fee:		LOE:			
Cumulative Approved:		Cost/Fee:		LOE:			
Work Assignment Manager Name: Sella Burchette <i>(Signature)</i> <i>1/8/11</i> (Date)				Branch/Mail Code MS-101 Phone Number 732-321-6740 Fax Number 732-321-6724			
Project Officer Name: Nancy Ur <i>(Signature)</i> <i>1/8/11</i> (Date)				Branch/Mail Code MS-101 Phone Number 732-321-6745 Fax Number 732-321-6724			
Other Agency Official Name: <i>(Signature)</i> (Date)				Branch/Mail Code Phone Number Fax Number			
Contracting Official Name: Gloria Kane <i>(Signature)</i> <i>2-11-11</i> (Date)				Branch/Mail Code Phone Number Fax Number			
Contractor Acknowledgement of Receipt and Approval of Workplan (Signature and Title) <i>(Signature)</i>						Date: 3/11/11	

0-126

Dominquez Channel Mystery Oil Spill

Background:

During heavy rainfall in Los Angeles, CA, on December 21, 2010, heavy oil from an unknown source entered the Dominquez Channel from a Los Angeles County storm drain. Region 9 OSCs Wise and Powell initiated a FPN# at the time of the discharge. Working closely with local officials, the ERS contractor was brought in to contain and remove the oil from the storm drain and the channel to prevent it from entering the Los Angeles harbor area. Subsequent investigations by state and local environmental agencies failed to identify the source. On or about January 6th, 2011, R9 OSC Marty Powell requested ERT assistance.

Task Description

ERT and SERAS contractor will provide experienced personnel and ERT's Ground Penetrating Radar (GPR) device and other geo-devices to identify subsurface pipes and storm drains that 'might be' the conduit/source of the oil.

Required Reports

OSC requests short memo (1 page) that details the results of the ERT/SERAS activities at the site.

Schedule

OSC requests that ERT member and SERAS personnel be on site January 10, 2011, to initiate activities to locate subsurface pipes and storm drains.

Suggested Personnel

One SERAS contractor with advanced experience utilizing the GPR device, as well as other subsurface tools to locate subsurface objects.

Period of Performance

FIELD WORK:
January 9- January 14, 2011

Effective date - May 1, 2011

NOTE - Utilize Region 9 funds in DCN KR0003.

Previously, this work was conducted under Emergency Response WA 0-001.

United States Environmental Protection Agency Washington, DC 20460 Work Assignment		Work Assignment Number <div style="text-align: right; font-size: 1.2em;">0-127</div>					
		X Original Amendment Number:					
Contract Number EP-W-09-031	Contract Period Base X Option Period Number:		Title of Work Assignment Mojave River Pyrotechnics Site				
Contractor: Lockheed Martin, Inc.		Specify Section and Paragraph of Contract SOW I, A, 1, c, e, f and II, A, 4, g					
Purpose: X Work Assignment Initiation <input type="checkbox"/> Work Assignment Amendment <input type="checkbox"/> Work Plan Approval		<input type="checkbox"/> Work Assignment Close-Out <input checked="" type="checkbox"/> Incremental Funding					
		Periods of Performance: From: Effective Date of Approval To: December 31, 2011					
Comments:							
LGE:							
<input checked="" type="checkbox"/> Superfund <input type="checkbox"/> Homeland Security X Non-Superfund							
Accounting and Appropriations Data							
DC	Budget/FYs	Appropriations	Budget Org/Code	Program Element	Object	Site/Project	Cost Org/Code
Line (Max 6)	(Max 4)	Code (Max 6)	(Max 7)	(Max 9)	Class	Amount (Max 6)	(Max 7)
1							
2							
3							
4							
5							
Authorized Work Assignment Ceiling							
Contract Period:		Cost/Fee:		LOE:			
Previously Approved							
This Action							
Total							
Work Plan / Cost Estimate Approvals							
Contractor WP Dated:		Cost/Fee:		LOE:			
Cumulative Approved:		Cost/Fee:		LOE:			
Work Assignment Manager Name: Donald Bussey <i>Nancy D. Ullrich</i> 1/27/11 (Signature) (Date)				Branch/Mail Code MS-101 Phone Number 732-321-6740 Fax Number 732-321-6724			
Project Officer Name: Nancy Ullrich <i>Nancy D. Ullrich</i> 1/27/11 (Signature) (Date)				Branch/Mail Code MS-101 Phone Number 732-321-6745 Fax Number 732-321-6724			
Other Agency Official Name: (Signature) (Date)				Branch/Mail Code Phone Number Fax Number			
Contracting Official Name: Gloria Kane <i>Gloria Kane</i> 1-28-11 (Signature) (Date)				Branch/Mail Code Phone Number Fax Number			
Contractor Acknowledgement of Receipt and Approval of Workplan (Signature and Title)						Date: 1/29/11	

0-127

Work Assignment Detailed Performance Work Statement

Work Assignment Title: Mojave River Pyrotechnics Site

Purpose:

The purpose of this Work Assignment is to support ERT in providing on-site technical assistance to the Region 9 Removal program.

Background:

The Mojave River Pyrotechnics Site is located in Barstow, California along the south bank of the Mojave River. Region 9 Removal has determined that a source of perchlorate, which is contaminating local groundwater, is located at a property whose owner formally stored the chemical on his property. The site is located at 30433 Poplar Street, and is approximately 20 acres in size.

Detailed Task Description:

The contractor shall perform the following tasks:

1. Conduct a surficial geophysical survey on the 20-acre property. It is suspected that drums may be buried on-site. A course grid method shall be utilized over the entire 20-acre property. Based on finding of the course grid survey, the contractor shall utilize EM-61 and GPR equipment over identified suspect locations. Targets shall be field-marked and positions locations coordinates shall be digitally stored. All collected positional data shall be digitally stored.
2. Data shall be contoured and presented in map form in near-real time to provide immediate input to on-site Removal personnel.

Required Reports:

1. In conformance with the requirements of the SERAS contract, all environmental sampling and monitoring performed under this task shall be provided in an electronic data deliverable (EDD) form compatible with Scribe. The Scribe project data file shall be a mandatory deliverable.
2. In conformance with the requirements of the SERAS contract, all deliverables and other relevant project information shall be submitted in electronic format to the appropriate ERT-IMS website. Submission of deliverables to the appropriate ERT-IMS website shall be considered delivery to the WAM as of the date and time such deliverables are received on the website.
3. Provide: Site Specific QAPP.
4. A Trip Report shall be prepared summarizing field methods employed, data collected, and interpretations made. This report shall be delivered 30 days subsequent to field work completion.

Schedule:

Field efforts shall be conducted either the week of March 14, 2011, or the following week. The contractor shall be prepared to meet either start date.

Suggested Skill Mix/Personnel Qualifications:

Surficial geophysicist with applicable background. Support personnel as needed.

Period of Performance:

Effective Date of Approval through:

December 31, 2011

EPAUnited States Environmental Protection Agency
Washington, DC 20460**Work Assignment**

Work Assignment Number

0-127



Other



Amendment Number:

Contract Number

EP-W-09-031

Contract Period 09/23/2009 To 09/22/2012

Base ☒

Option Period Number

Title of Work Assignment/SF Site Name

Mojave River Pyrotech

Contractor

LOCKHEED MARTIN SERVICES, INC.

Specify Section and paragraph of Contract SOW

I, A, 1, c, e, f and II, A, 4, g

Purpose:



Work Assignment



Work Assignment Close-Out



Work Assignment Amendment



Incremental Funding



Work Plan Approval

Period of Performance

From 09/23/2009 To 09/22/2012

Comments:

The purpose of this action is to initiate WA #127 Mojave River Pyrotechnics Site, with 165 LOE hours and request the contractor's workplan. The contractor shall submit a workplan inclusive of a detailed technical plan, staffing plan and cost estimate in accordance with the contract terms. All other terms and conditions remain unchanged.



Superfund

Accounting and Appropriations Data



Non Superfund

SFO
(Max 2)

Note: To report additional accounting and appropriations data use EPA Form 1900-69A.

Line	DCN (Max 6)	Budget/FY (Max 4)	Appropriation Code (Max 6)	Budget Org/Code (Max 7)	Program Element (Max 9)	Object Class (Max 4)	Amount (Dollars)	(Cents)	Site/Project (Max 8)	Cost Org/Code (Max 7)
1										
2										
3										
4										
5										

Authorized Work Assignment Ceiling

Contract Period:

Cost/Fee:

LOE: 0

09/23/2009 To 09/22/2012

This Action:

165

Total:

165

Work Plan / Cost Estimate Approvals

Contractor WP Dated:

Cost/Fee:

LOE:

Cumulative Approved:

Cost/Fee:

LOE:

Work Assignment Manager Name Don Bussey

Branch/Mail Code:

Phone Number 702-784-8016

FAX Number:

(Signature)

(Date)

Project Officer Name Nancy Ur

Branch/Mail Code:

Phone Number: 732-321-6745

FAX Number:

(Signature)

(Date)

Other Agency Official Name

Branch/Mail Code:

Phone Number:

FAX Number:

(Signature)

(Date)

Contracting Official Name Gloria Kane

Branch/Mail Code:

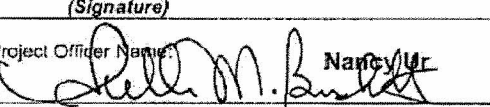
Phone Number: 202-564-4437

FAX Number:

(Signature)

(Date)

Work Assignment Form. (WebForms 1.0)

United States Environmental Protection Agency Washington, DC 20460				Work Assignment Number SERAS-128.					
Work Assignment				<input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment Number:					
Contract Number EP-W-09-031		Contract Period Base <input checked="" type="checkbox"/> Option Period Number: _____		Title of Work Assignment Crown Cleaners					
Contractor: Lockheed Martin, Inc.			Specify Section and Paragraph of Contract SOW 4,a,e,p,q; C,E; 2,a						
Purpose: <div style="display: flex; justify-content: space-between;"> <div> <input checked="" type="checkbox"/> Work Assignment Initiation <input type="checkbox"/> Work Assignment Amendment <input type="checkbox"/> Work Plan Approval </div> <div> <input type="checkbox"/> Work Assignment Close-Out <input type="checkbox"/> Incremental Funding </div> </div>		Periods of Performance: From: Effective Date of Approval To: Sept 2012 - 12/11							
Comments: New work assignment initiation - shallow soil sampling, well sampling. LOE: _____									
<input checked="" type="checkbox"/> Superfund <input type="checkbox"/> Oil <input type="checkbox"/> Homeland Security <input type="checkbox"/> Non-Superfund									
Accounting and Appropriations Data									
Line	DC (Max 6)	Budget/FYs (Max 4)	Appropriations Code (Max 6)	Budget Org/Code (Max 7)	Program Element (Max 9)	Object Class	Site/Project (Max 6)	Amount	Cost Org/Code (Max 7)
1									
2									
3									
4									
5									
Authorized Work Assignment Ceiling									
Contract Period: Previously Approved				Cost/Fee:		LOE:			
This Action									
Total									
Work Plan / Cost Estimate Approvals									
Contractor WP Dated:				Cost/Fee:		LOE:			
Cumulative Approved:				Cost/Fee:		LOE:			
Work Assignment Manager Name: Jeff Catanzarita						Branch/Mail Code MS-101			
						Phone Number 609.865.0002			
(Signature)						(Date) 5/6/11			
Project Officer Name: Nancy Jr						Branch/Mail Code MS-101			
						Phone Number 732-321-6745			
(Signature)						(Date) 5/6/11			
Other Agency Official Name:						Branch/Mail Code			
						Phone Number			
(Signature)						(Date)			
Contracting Official Name: Claudia Armstrong						Branch/Mail Code MC 3805R			
						Phone Number (202) 564-6679			
(Signature)						(Date)			
Contractor Acknowledgement of Receipt and Approval of Workplan (Signature and Title)						Date: 5/12/11			

Work Assignment Detailed Statement of Work

Work Assignment Title: *See attached SON*

Purpose:

Background:

The contractor shall perform the following tasks:

1

Required Reports:

- 1 In conformance with the requirements of the SERAS contract, all environmental sampling and monitoring performed under this task shall be provided in an electronic data deliverable (EDD) form compatible with Scribe. The Scribe project data file shall be a mandatory deliverable.
- 2 In conformance with the requirements of the SERAS contract, all deliverables and other relevant project information shall be submitted in electronic format to the appropriate ERT-IMS website. Submission of deliverables to the appropriate ERT-IMS website shall be considered delivery to the WAM as of the date and time such deliverables are received on the website.
- 3 Provide: Site Specific QAPP

Schedule:

Suggested Skill Mix/Personnel Qualifications:

Period of Performance:

Effective Date of Approval through:

Wednesday, May 4, 2011

**SERAS Statement of Work
Crown Cleaners Superfund Site
Watertown, New York
WA- 128**

Objective:

Perform TAL VOC, Metals and BNA shallow soil sampling. In addition, sample GW Flute and other GW wells for monitoring VOCs on-site

Background: See old REAC Trip Report

Detailed Task Description:

The contractor shall perform the following:

- **Task 1:** Administrative
- **Task 2:** Soil Sampling
- **Task 3:** GW Sampling
- **Task 4:** Analysis
- **Task 3:** Reports

Task 1 (Administrative)

- Contractor shall schedule field work and personnel upon receipt of WA;
- Contractor shall have Scoping and/or Site visit as required;
- Contractor shall generate WP, HASP, and UFQAPP as required asap: **Note: use the old REAC site doc for Crown documents where suitable;**
- Contractor shall generate and update all enviro-numerical data into Scribe throughout the project;
- TL shall provide WAM with weekly hrs of personnel as WAM requests.
- Contractor shall administer any subcontracts that may be required;
- Contractor shall prepare for mobilization;
- Site fence maintenance maybe required;
- Contractor in WP budget shall separate out analysis and validations (AV) LOE hrs from all other hrs i.e., have a separate line LOE item for AV.

Task 2(Soil Sampling):

- Contractor shall use statistical sampling program to identify *how many sample locations* are required for a 95% confidence level (WAM will provide Map AOC for this analysis; WAM will provide shape file for area of interest); **Note: there are two distinct locations 1] within the fenced is area (i.e., Area (a)) and, 2] in wooded area which may be a potential dump area (i.e., Area (b));** The statistical test shall only be computed for Area (a); Area (b) samples shall be bias and selected on-site, assume up to 25 location as to Area (b);
- Contractor shall perform within Area (a) BNA, Metals (no Hg) soil sampling to the max depth of 2-feet: 0-6, 6-12, 12-18,18-24 (See Figure 4-2)
- Contractor shall perform within Area (b) TAL VOC, BNA, Metal &Hg, PCB/PEST soil sampling to the max depth of 2-feet: 0-6, 6-12, 12-18,18-24;

- Contractor shall be prepared to use geoprobe in case other methods fail;
 - o Contractor shall GPS all locations;
 - o Contractor shall use Terra cores for VOCs in conjunction (i.e., Option # 1 CLP Table 3-2 sample collection require for CLP SOW);
 - o Contractor shall homogenize the other sample analytics;
 - o Contractor shall analyze Area (a) BNA, Metals core segments in **depth order, thereby, holding some until samples until above results are known.**
 - o Contractor shall log all geological characteristics of all cores;
 - o Each sample interval shall be homogenized and stored and shipped in the appropriate jars
 - o VOC samples shall be collected via Terra cores and go through SERAS; **note:** Area (b) samples shall be selected visually selected since they are to find a spill area in the gorge in the wooded area of the Site;
 - o ALL data shall be uploaded into Scribe
 - o Contractor shall handle all waste(s) in accordance with NYS DEC Regs

Task 3(GW Sampling):

- Contractor shall review old REAC report to confirm number of on-site MWs, bags within, and Flute ports as to determine the number of VOC GW samples;
- Contractor shall inspect all flute wells as to condition and inside water levels and provide any repairs needed;
- Contractor shall collect all on-site MWs water levels within a **12 hr time frame**;
- Contractor shall sample Flute MWs and other MWs for VOCs: Note: other MWs have diffuser bags;
- MWs have diffusion bags which will need to be sampled and replaced.
- Contractor shall be prepared to install and sample 2-4 shallow pre-pack wells in seep areas: note any samples collected from seeps shall be considered screening samples
- Contractor shall compare old REAC VOC MW results with new MW results.

Task 4 (Analysis)

- Contractor shall be prepared to perform analysis on TAL VOC, BNA, PCB/PEST TAL metals & Hg (see below chart);
- QAPP shall have CLP and SERAS information so either can be used in future.
- BNA and Metals (no Hg) (**Area (a)**) shall be analyzed from **shallow to deep, holding the next sample until the above result is known.**
- SERAS is to provide WAM with an estimated LOE per sample prior to turning in WP for approval: one for analysis and one for validation
- Upon completion of Lab analysis SERAS shall calculate LOE for the said analysis and provide WAM with hrs; this shall be duplicated for validation

This is an estimate

Analysis	Media	Sample #
VOC	water	80
SVOC	soil	120
Metals no Hg	soil	120
VOC	soil	20
SVOC	soil	20
PCB/PEST	soil	20
TAL metals	soil	20
Hg	soil	20

Task 5 (Reports)

- Contractor shall submit Draft Report (text, map, figures & tables) for review 30 calendar days after receipt of final Validated data package;
- Contractor shall submit Final Report (text, map, figures & tables) 10 working days after receipt of comments from WAM;
- Contractor shall provide hard copy(s)(TBD) as well as a CD copy of the Report to the Region;
- Contractor shall format CDs as to WAMs preference as in the past reports;
- Contractor's updated scribe files shall be included

Required Reports:

- 1 In conformance with the requirements of the SERAS contract, all environmental sampling and monitoring performed under this task shall be provided in an electronic data deliverable (EDD) form compatible with Scribe. The Scribe project data file shall be a mandatory deliverable
- 2 In conformance with the requirements of the SERAS contract, all deliverables and other relevant project information shall be submitted in electronic format to the appropriate ERT-IMS website. Submission of deliverables to the appropriate ERT-IMS website shall be considered delivery to the WAM as of the date and time such deliverables are received on the website.

-
- 3 Provide: Site Specific UFQAPP.
-

Schedule:

Note: Area (a) samples are the priority, then GW, and then Area (b).

Field work shall commence no later than June 20, 2011, or sooner.
If one trip is selected the sampling event shall not exceed 5 days of fieldwork, including travel. Contractor shall be on-site by 12:00 PM as to any travel days.

Field work may be broken up into two trips: one for soil one for GW. Then smaller crews would be used but within 10 day time frame.

Prelim approved package for any SERAS analysis shall be provided to WAM within 10 working days upon receipt of samples: OR within 7 working days once analysis is started as to Area (a) samples.

Any SERAS data analysis shall be validated with 10 working days upon receipt of Prelim package. In other words, SERAS shall submit final Analytical Report with 20 working days upon receipt of samples.

Contractor shall submit draft trip report 15 working days upon validation completion.

Contractor shall submit final trip report 5 working days upon receipt of any WAM comments.

Work shall commence at 7:30 AM every non-travel day in the field.

All Federal holidays shall be observed unless WAM approves different

Suggested Skill Mix/Personnel Qualifications:

2 Environmental Scientist, 3 Techs; Three experienced Techs could also handle it.

Period of Performance:

Effective Date of Approval through Dec 2011;

EPAUnited States Environmental Protection Agency
Washington, DC 20460**Work Assignment**

Work Assignment Number

0-128

☐ Other☐ Amendment Number:

Contract Number

EP-W-09-031

Contract Period 09/23/2009 To 09/22/2012

Base ☒

Option Period Number

Title of Work Assignment/SF Site Name

Crowne Cleaners

Contractor

LOCKHEED MARTIN SERVICES, INC.

Specify Section and paragraph of Contract SOW

4, a, e, , p, q; C, E; 2, a

Purpose:



Work Assignment



Work Assignment Close-Out



Work Assignment Amendment



Incremental Funding



Work Plan Approval

Period of Performance

From 05/10/2011 To 12/30/2011

Comments:

The purpose of this action is to initiate WA 128, Crown Cleaners with an estimated start-up LOE of 500 hours and request the contractor's WP. The contractor shall prepare a WP inclusive of a detailed technical plan, staffing plan, and cost estimate in accordance with contract terms. All other terms and conditions remain unchanged.



Superfund

Accounting and Appropriations Data



Non-Superfund

SFO
(Max 2)

Note: To report additional accounting and appropriations data use EPA Form 1900-09A.

Line	DCN (Max 6)	Budget/FY (Max 4)	Appropriation Code (Max 6)	Budget Org/Code (Max 7)	Program Element (Max 9)	Object Class (Max 4)	Amount (Dollars)	(Cents)	Site/Project (Max 8)	Cost Org/Code (Max 7)
1										
2										
3										
4										
5										

Authorized Work Assignment Ceiling

Contract Period:

Cost/Fee:

LOE: 0

09/23/2009 To 09/22/2012

This Action:

500

Total:

500

Work Plan / Cost Estimate Approvals

Contractor WP Dated:

Cost/Fee:

LOE:

Cumulative Approved:

Cost/Fee:

LOE:

Work Assignment Manager Name Sella Burchette

Branch/Mail Code:

Phone Number 732-321-6726

FAX Number:

(Signature)

(Date)

Project Officer Name Sella Burchette

Branch/Mail Code:

Phone Number: 732-321-6726

FAX Number:

(Signature)

(Date)

Other Agency Official Name

Branch/Mail Code:

Phone Number:

FAX Number:

(Signature)

(Date)

Contracting Official Name Elaine Scott

Branch/Mail Code:

Phone Number: 202-564-4478

FAX Number:

(Signature)

(Date)

United States Environmental Protection Agency
Washington, DC 20460

Work Assignment

Work Assignment Number
SERAS-000

0-221

☒ Original ☐ Amendment Number

Contract Number
EP-W-09-031

Contract Period
Base Award Term 1: X

Title of Work Assignment
Butz Landfill Intrusion Study

Contractor:
Lockheed Martin, Inc.

Specify Section and Paragraph of Contract SOW
A 1)a, d-h, Ba-k, D 1)a-c, e, E1)b, d, e, f 2)a-c

Purpose:
☒ Work Assignment Initiation
☐ Work Assignment Amendment
☐ Work Plan Approval

☐ Work Assignment Close-Out
☐ Incremental Funding
☐ TCE update/approval

Periods of Performance
From: Effective Date of Approval
To: 09/22/2014

Comments: Original WA for vapor intrusion study

LOE:

☒ Superfund

☐ Oil

☐ Homeland Security

☐ N

Accounting and Appropriations Data

Line	DC (Max 6)	Budget/FYs (Max 4)	Appropriations Code (Max 6)	Budget Org/Code (Max 7)	Program Element (Max 9)	Object Class	Amount	Site/Project (Max 6)	Cost Org/Code (Max 7)
1									
2									
3									
4									
5									

Authorized Work Assignment Ceiling

Contract Period:
Previously Approved

Cost/Fee:

LOE:

This Action

Total

Work Plan / Cost Estimate Approvals

Contractor WP Dated:

Cost/Fee:

LOE:

Cumulative Approved:

Cost/Fee:

LOE:

Work Assignment Manager Name: David B. Mickunas

Branch/Mail Code RTP

Phone Number 919 541 4191

(Signature)

(Date)

Fax Number

Project Officer Name

Sella M. Burchette

Branch/Mail Code MS-101

Phone Number 732-321-8726

(Signature)

(Date)

Fax Number

732-321-8724

Other Agency Official Name:

Branch/Mail Code

Phone Number

(Signature)

(Date)

Fax Number

Contracting Official Name:

Branch Mail Code

Phone Number

(Signature)

(Date)

Fax Number

Contractor Acknowledgement of Receipt and Approval of Workplan (Signature and Title)

Date

Work Assignment Detailed Performance Work Statement

Work Assignment Title: Butz Landfill Vapor Intrusion Study

Purpose:

Provide support to Region 3 to conduct a vapor intrusion study at the Butz Landfill Vapor Intrusion Site. The vapor intrusion study will be performed adjacent to the Butz Landfill in an effort to determine if a subsurface gas plume exists and if there is a potential indoor impact associated with the subsurface plume at adjacent off-site locations.

Background:

The Butz Landfill is located on 13 acres in rural Monroe County, PA. It is a former municipal dump, where the groundwater is contaminated with the solvent trichloroethylene and other organic compounds. The contamination has remained stationary and stable. In 1986, the state requested EPA's assistance in defining and resolving the site's contamination problem. In 1986, about 50 residences were supplied with bottled water or carbon filtration systems to remove contaminants from their water supply. Two additional homes were supplied with air-stripping units, a more aggressive treatment for drinking water. In 1986, EPA performed geological studies and installed groundwater monitoring wells to determine the location and flow of the contaminated groundwater. In 1990, the EPA issued the Record of Decision (ROD) a formal document outlining how to address the site's contamination long-term. In 1992, a public water supply line was completed to supply free municipal water connections to all the affected residences. In 1992, EPA issued another ROD to contain and reduce the size of the contaminant plume in the groundwater. The groundwater pump and treat method was selected to achieve this goal. Since 2010 EPA has been investigating an in-situ injection of chemicals to the groundwater to enhance the remedy. The EPA is currently reviewing results from the Treatability Report which was completed in 2012. The site operation and maintenance was transferred to PADEP in 2012. EPA completed a vapor intrusion sampling of residents near the site January 2013.

Detailed Task Description:

The contractor shall perform the following tasks:

1. Transport the TAGA laboratory to Butz Landfill Site in Jackson Township, PA.
2. Assist with a vapor intrusion study.
3. Clear out approximately 10 residences of products that contain compounds that may interfere with the study.
4. Install approximately 15 subslab probes.
5. Perform TAGA monitoring of 10 residences for PCE, TCE, DCE (total), and VCI.
6. Perform 24 hour time-weighted Summa canister sampling of subslab (~15 samples), basement/crawlspace (~12 samples), first floor (~12 samples) and outdoor (~3 samples).
7. All Summa canisters shall be collected concurrently to assist with the vapor intrusion study.
8. Deliver approximately 30 Summa canisters and constant flow rate 24-hour orifices, which have been certified clean below the 30 pptv required reporting limit, 7 days prior to scheduled field work.
9. The Summa canisters and orifices shall be obtained from a source that has a demonstrated and consistent capability to provide clean and certify Summa canisters and orifices to a minimum reporting level of 30 pptv for TO-15 compounds.
10. Perform Summa canister analysis using the full SERAS TO-15 laboratory target list.
11. The analysis shall be performed by a laboratory that has a demonstrated and consistent capability to provide analysis correctly and report data in the proper prescribed format that meets the QA/QC group's requirements. This condition will allow reviews to perform their tasks without concern about batched data, incorrectly formatted electronic data, extraneous data, and/or other anomalies attributable to the laboratory, therefore, reducing costs and time.
12. Meteorological data will also be collected throughout the event. Weather data is to be provided by the meteorological stations in the area adjacent to the sampling/monitoring.
13. TAGA data reduction will be performed in the field and at the Edison, NJ location.
14. Transport the TAGA laboratory to the appropriate location after the mobilization is complete.


Required Reports:

1. In conformance with the requirements of the SERAS contract, all environmental sampling and monitoring performed under this task shall be provided in an electronic data deliverable (EDD) form compatible with Scribe. The Scribe project data file shall be a mandatory deliverable.
2. In conformance with the requirements of the SERAS contract, all deliverables and other relevant project information shall be submitted in electronic format to the appropriate ERT-IMS website. Submission of

deliverables to the appropriate ERT-IMS website shall be considered delivery to the WAM as of the date and time such deliverables are received on the website.

3. The Draft Analytical Report for the Summa canister results will be due 1 week after demobilization.
4. The Final Analytical Report for the Summa canister results will be due 1 week after the Draft Analytical Report is submitted.
5. The draft TAGA monitoring results will be due immediately after monitoring run collection.
6. The Final TAGA Report for mobile monitoring will be due 1 week after demobilization.
7. The Final Trip Report with the TAGA monitoring, Summa canister results and meteorological data will be due 2 weeks after the demobilization.

Schedule:

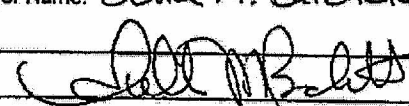
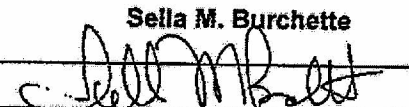
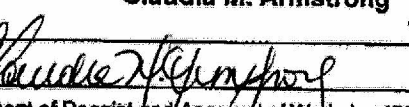
1. The field work will commence on ~~Menday~~ ~~30 August~~ 2013. 
2. Monday – 30 September 2013 – Mobilize to the site.
3. Tuesday – 01 October 2013 – Clean out/Sketch the residences/Install subslab ports.
4. Wednesday - 02 October 2013 – TAGA monitoring/commence Summa canister sampling (subslab, basement, first floor, and outside).
5. Thursday – 03 October 2013 – Demobilize the TAGA/Cease Summa canister sampling (subslab, basement, and first floor).
6. Friday – 04 October 2013 – Demobilize all personnel from the site/Deliver samples to the laboratory.

Period of Performance:

Effective Date of Approval through;

9/22/14

EPA United States Environmental Protection Agency Washington, DC 20460 Work Assignment		Work Assignment Number 0-221 <input type="checkbox"/> Other <input type="checkbox"/> Amendment Number								
Contract Number EP-W-09-031		Contract Period 09/23/2009 To 09/22/2014 Title of Work Assignment/SF Site Name Butz Landfill Intrusion Study								
Contractor LOCKHEED MARTIN SERVICES, INC.		Specify Section and paragraph of Contract SOW A.B.D.e								
Purpose <input checked="" type="checkbox"/> Work Assignment <input type="checkbox"/> Work Assignment Close-Out <input type="checkbox"/> Work Assignment Amendment <input type="checkbox"/> Incremental Funding <input type="checkbox"/> Work Plan Approval		Period of Performance From 09/23/2009 To 09/22/2014								
Comments The purpose of this action is to initiate WA 0-221, Butz Landfill Intrusion Study 120 start-up LOE hours to begin site-work. The contractor shall prepare a work plan inclusive of a detailed staffing plan and cost estimate in accordance with the contract terms. All other terms and conditions remain unchanged.										
<input checked="" type="checkbox"/> Superfund Accounting and Appropriations Data <input type="checkbox"/> Non-Superfund										
Note: To report additional accounting and appropriations data use EPA Form 1900-69A SFO (Max 2) <input type="checkbox"/>										
Line	DCN (Max 6)	Budget/FY (Max 4)	Appropriation Code (Max 6)	Budget Org/Code (Max 7)	Program Element (Max 9)	Object Class (Max 4)	Amount (Dollars)	(Cents)	Site/Project (Max 8)	Cost Org/Code (Max 7)
1										
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5										
Authorized Work Assignment Ceiling										
Contract Period		Cost/Fee		LOE						
09/23/2009 To 09/22/2014										
This Action						120				
Total						120				
Work Plan / Cost Estimate Approvals										
Contractor WP Dated		Cost/Fee		LOE						
Cumulative Approved		Cost/Fee		LOE						
Work Assignment Manager Name Sella Burchette						Branch/Mail Code:				
_____ (Signature)						_____ (Date)				
Project Officer Name Sella Burchette						Branch/Mail Code:				
_____ (Signature)						_____ (Date)				
Other Agency Official Name						Branch/Mail Code:				
_____ (Signature)						_____ (Date)				
Contracting Official Name James Langan						Branch/Mail Code:				
_____ (Signature)						_____ (Date)				
						Phone Number 732 321 6726				
						FAX Number:				
						Branch/Mail Code:				
						Phone Number 732-321-6726				
						FAX Number:				
						Branch/Mail Code:				
						Phone Number 202-564-2227				
						FAX Number:				

United States Environmental Protection Agency Washington, DC 20460 Work Assignment				Work Assignment Number SERAS-000 0-271				
Contract Number EP-W-09-031		Contract Period Base Award Term 2: X		<input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment Number:				
Contractor: Lockheed Martin, Inc.			Specify Section and Paragraph of Contract SOW II, A, 1, c, f, g, h II C, II B-C.					
Purpose: <input checked="" type="checkbox"/> Work Assignment Initiation <input type="checkbox"/> Work Assignment Amendment <input type="checkbox"/> Work Plan Approval			<input type="checkbox"/> Work Assignment Close-Out <input type="checkbox"/> Incremental Funding <input type="checkbox"/> TCE update/approval		Periods of Performance: From: Effective Date of Approval To: 9/22/2015			
Comments: New UA. SOP/AP revisions.								
LOE:								
<input type="checkbox"/> Superfund <input type="checkbox"/> Oil <input type="checkbox"/> Homeland Security <input type="checkbox"/> Non-Superfund								
Accounting and Appropriations Data								
Line	DC (Max 6)	Budget/FYs (Max 4)	Appropriations Code (Max 6)	Budget Org/Code (Max 7)	Program Element (Max 9)	Object Class Amount	Site/Project (Max 6)	Cost Org/Code (Max 7)
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Authorized Work Assignment Ceiling								
Contract Period: Previously Approved			Cost/Fee:		LOE:			
This Action			- 0 -		500			
Total			- 0 -		500			
Work Plan / Cost Estimate Approvals								
Contractor WP Dated:			Cost/Fee:		LOE:			
Cumulative Approved:			Cost/Fee:		LOE:			
Work Assignment Manager Name: Sella M. Burchette					Branch/Mail Code MS-101			
(Signature) 					Phone Number 732-321-6740			
(Date) 4/7/15					Fax Number 732-321-6724			
Project Officer Name: Sella M. Burchette					Branch/Mail Code MS-101			
(Signature) 					Phone Number 732-321-6726			
(Date) 4/7/15					Fax Number 732-321-6724			
Other Agency Official Name:					Branch/Mail Code			
(Signature)					Phone Number			
(Date)					Fax Number			
Contracting Official Name: Claudia M. Armstrong					Branch/Mail Code 3805R			
(Signature) 					Phone Number 202-564-6679			
(Date) 4/7/15					Fax Number 202-565-2557			
Contractor Acknowledgement of Receipt and Approval of Workplan (Signature and Title)					Date: 4/7/15			

Work Assignment Detailed Performance Work Statement

WA 0-271

Work Assignment Title: SOP / AP Revisions

Purpose:

The purpose of this WA is to provide a separate tasking and tracking for the updating of the current SERAS SOPs and Administrative Procedures (APs).

Background:

Background can be found in the current WA 0-035 – Quality Assurance PWS and approved WP(s).

Detailed Task Description:

The contractor shall perform the following tasks:

1. All SOPs identified by the ERT Quality Assurance Coordinator and SERAS QA Officer will be updated per requirements as detailed in the PWS and approved WP for WA 0-035.
 2. LOE tracking subtasks for discipline appropriate SOP revisions will be created as follows:
 - Air / Emergency Response
 - Bio
 - Geo
 - Engineering
 - Lab / Analytical
 - QA
 - TAGA
 - Vegas (if determined appropriate by the SERAS QA Officer)
 - Administrative
 3. Each month provide a subset from the Master List of the SOPs being worked on and provide a progress status with detailed explanation of a "non-progress" status of a stagnant SOP effort.
 4. Revisions are to begin upon approval and acceptance of this WA and continue to a targeted conclusion of 9/22/15.
 5. Scoping meeting will further refine the LOE needed on this task. Current LOE is startup LOE.
- Required Reports:**
1. In conformance with the requirements of the SERAS contract, all environmental sampling and monitoring performed under this task shall be provided in an electronic data deliverable (EDD) form compatible with Scribe. The Scribe project data file shall be a mandatory deliverable.
 2. In conformance with the requirements of the SERAS contract, all deliverables and other relevant project information shall be submitted in electronic format to the appropriate ERT-IMS website. Submission of deliverables to the appropriate ERT-IMS website shall be considered delivery to the WAM as of the date and time such deliverables are received on the website.
 3. Provide: UFP QAPP NOTE: THE QAPP from 0-035 should be used for base and revised as needed to comply with this requirement.

Schedule:

Period of Performance:

Effective Date of Approval through:
9/22/15

EPAUnited States Environmental Protection Agency
Washington, DC 20460**Work Assignment**

Work Assignment Number

0-271



Other



Amendment Number:

Contract Number

EP-W-09-031

Contract Period 09/23/2009 To 09/22/2015

Base

Option Period Number 2

Title of Work Assignment/SF Site Name

SOP Revisions

Contractor

Lockheed Martin Services, Inc.

Specify Section and paragraph of Contract SOW

II, A, B, C

Purpose:



Work Assignment



Work Assignment Close-Out



Work Assignment Amendment



Incremental Funding



Work Plan Approval

Period of Performance

From 04/07/2015 To 09/22/2015

Comments:

The purpose of this action is to initiate work assignment 0-271, entitled SOP Revisions with 500 LOE hours to begin work. The contractor shall prepare a work plan and cost estimate in accordance with the contract terms. All other terms and conditions remain unchanged.



Superfund

Accounting and Appropriations Data



Non-Superfund

SFO
(Max 2)

Note: To report additional accounting and appropriations data use EPA Form 1900-69A.

Line	DCN (Max 6)	Budget/FY (Max 4)	Appropriation Code (Max 6)	Budget Org/Code (Max 7)	Program Element (Max 9)	Object Class (Max 4)	Amount (Dollars)	(Cents)	Site/Project (Max 8)	Cost Org/Code (Max 7)
1										
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Authorized Work Assignment Ceiling

Contract Period:

09/23/2009 To 09/22/2015

Cost/Fee:

LOE: 0

This Action:

500

Total:

500

Work Plan / Cost Estimate Approvals

Contractor WP Dated:

Cost/Fee:

LOE:

Cumulative Approved:

Cost/Fee:

LOE:

Work Assignment Manager Name Sella Burchette

Branch/Mail Code:

Phone Number 732-321-6726

FAX Number:

(Signature)

(Date)

Project Officer Name Sella Burchette

Branch/Mail Code:

Phone Number: 732-321-6726

FAX Number:

(Signature)

(Date)

Other Agency Official Name

Branch/Mail Code:

Phone Number:

FAX Number:

(Signature)

(Date)

Contracting Official Name Claudia Armstrong

Branch/Mail Code: 30816

Phone Number: 202-564-6679

FAX Number: 202-565-2557

(Signature)

(Date)

United States Environmental Protection Agency Washington, DC 20460 Work Assignment						Work Assignment Number SERAS-272																																																															
						<input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment Number:																																																															
Contract Number EP-W-09-031			Contract Period Base Award Term 2: X			Title of Work Assignment New Haven Drive MW Installation																																																															
Contractor: Lockheed Martin, Inc.					Specify Section and Paragraph of Contract SOW II, A, 1, c: 4, c																																																																
Purpose: <input checked="" type="checkbox"/> Work Assignment Initiation <input type="checkbox"/> Work Assignment Amendment <input type="checkbox"/> Work Plan Approval					<input type="checkbox"/> Work Assignment Close-Out <input type="checkbox"/> Incremental Funding <input type="checkbox"/> TCE update/approval		Periods of Performance: From: Effective Date of Approval To: 9/22/2015																																																														
Comments: <i>New WA Installation of monitoring wells.</i>																																																																					
LOE:																																																																					
<input type="checkbox"/> Superfund <input type="checkbox"/> Oil <input type="checkbox"/> Homeland Security <input checked="" type="checkbox"/> Non-Superfund																																																																					
Accounting and Appropriations Data																																																																					
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Cumulative Approved:				Cost/Fee:			LOE:																																																														
Work Assignment Manager Name: Donald T. Bussey						Branch/Mail Code MS-101																																																															
(Signature) <i>Donald T. Bussey</i> (Date) <i>4/23/15</i>						Phone Number 732-321-6740																																																															
						Fax Number 732-321-6724																																																															
Project Officer Name: Sella M. Burchette						Branch/Mail Code MS-101																																																															
(Signature) <i>Sella M. Burchette</i> (Date) <i>4/23/15</i>						Phone Number 732-321-6726																																																															
						Fax Number 732-321-6724																																																															
Other Agency Official Name:						Branch/Mail Code																																																															
(Signature) (Date)						Phone Number																																																															
						Fax Number																																																															
Contracting Official Name: Claudia M. Armstrong						Branch/Mail Code 3805R																																																															
(Signature) <i>Claudia M. Armstrong</i> (Date) <i>5/28/15</i>						Phone Number 202-564-8679																																																															
						Fax Number 202-565-2557																																																															
Contractor Acknowledgment of Receipt and Approval of Workplan (Signature and Title)								Date: <i>5/28/15</i>																																																													

Work Assignment Detailed Performance Work Statement

Work Assignment Title: New Haven Drive MW Installation

Purpose: The purpose of this Work Assignment (WA) is to assist ERT by providing monitoring well installations at the above-referenced site (in Gastonia, North Carolina) to Region 4 (R4) Remedial.

Background: The New Haven Drive site has VOC contaminated groundwater, and several source areas are suspected. Working in cooperation with NCDEP, ERT will assist the R4 by installing nested well pairs in the vicinity of suspected source areas to more define the VOC plume(s), horizontally (map view) and vertically.

Detailed Task Description:

The contractor shall perform the following tasks:

1. Install four (4) sets of nested groundwater monitoring well nests at locations still to be determined. The locations will be provided for inclusion in the SERAS Work Plan (WP) and Quality Assurance Project Plan (QAPP).
2. Shallow wells of each nest shall be installed in overburden, into first water. Deep wells of the nests shall be into bedrock, screened into the first fracture water-bearing zone.
3. Wells shall be 2-inch PVC wells, with above-ground protective casings.
4. All IDW will be contained (with the exception of bedrock cuttings) and properly disposed.

Required Reports:

1. In conformance with the requirements of the SERAS contract, all environmental sampling and monitoring performed under this task shall be provided in an electronic data deliverable (EDD) form compatible with Scribe. The Scribe project data file shall be a mandatory deliverable.
2. In conformance with the requirements of the SERAS contract, all deliverables and other relevant project information shall be submitted in electronic format to the appropriate ERT-IMS website. Submission of deliverables to the appropriate ERT-IMS website shall be considered delivery to the WAM as of the date and time such deliverables are received on the website.
3. Provide: UFP QAPP
4. Provide soil/rock boring/drilling logs with well construction diagrams within four (4) weeks of completion of field work.

Schedule: It is expected that field efforts will be initiated in late spring/early summer, 2015.

Period of Performance:

Effective Date of Approval through:

9/22/15

EPA United States Environmental Protection Agency Washington, DC 20460 Work Assignment		Work Assignment Number 0-272								
		<input type="checkbox"/> Other <input type="checkbox"/> Amendment Number:								
Contract Number EP-W-09-031	Contract Period 09/23/2009 To 09/22/2015 Base Option Period Number 2	Title of Work Assignment/SF Site Name New Haven Drive								
Contractor Lockheed Martin Services, Inc.		Specify Section and paragraph of Contract SOW II, A, 1, c:4, c								
Purpose <input checked="" type="checkbox"/> Work Assignment <input type="checkbox"/> Work Assignment Close-Out <input type="checkbox"/> Work Assignment Amendment <input type="checkbox"/> Incremental Funding <input type="checkbox"/> Work Plan Approval		Period of Performance From 5/27/15 to 09/22/2015								
Comments: The purpose of this action is to initiate work assignment 0-272, entitled New Haven Drive MV Installation with 78 LOE hours to begin work. The contractor shall prepare a work plan and cost estimate in accordance with the contract terms. All other terms and conditions remain unchanged.										
<input type="checkbox"/> Superfund Accounting and Appropriations Data <input checked="" type="checkbox"/> Non-Superfund										
Note: To report additional accounting and appropriations data use EPA Form 1900-69A.										
SFO (Max 2) <input type="checkbox"/>										
Line	DCN (Max 6)	Budget/FY (Max 4)	Appropriation Code (Max 6)	Budget Org/Code (Max 7)	Program Element (Max 9)	Object Class (Max 4)	Amount (Dollars)	(Cents)	Site/Project (Max 8)	Cost Org/Code (Max 7)
1										
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Authorized Work Assignment Ceiling										
Contract Period		Cos/Fee		LOE:						
09/23/2009 To 09/22/2015						0				
This Action:						78				
Total:						78				
Work Plan / Cost Estimate Approvals										
Contractor WP Dated:				Cos/Fee:		LOE:				
Cumulative Approved:				Cos/Fee:		LOE:				
Work Assignment Manager Name Don Bussey						Branch/Mail Code:				
_____ (Signature)						_____ (Date)				
Project Officer Name Sella Burchette						Branch/Mail Code:				
_____ (Signature)						_____ (Date)				
Other Agency Official Name Tia Bating						Branch/Mail Code:				
_____ (Signature)						_____ (Date)				
Contracting Official Name Claudia Armstrong						Branch/Mail Code:				
_____ (Signature)						_____ (Date)				
						Branch/Mail Code: 3805K				
						Phone Number: 202-564-6679				
						FAX Number: 202-565-2557				

United States Environmental Protection Agency Washington, DC 20460 Work Assignment						Work Assignment Number SERAS-273																																																											
						<input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment Number:																																																											
Contract Number EP-W-09-031			Contract Period Base Award Term 2: X			Title of Work Assignment White Swan GW																																																											
Contractor: Lockheed Martin, Inc.					Specify Section and Paragraph of Contract SOW A, b, g, C, E																																																												
Purpose: <input checked="" type="checkbox"/> Work Assignment Initiation <input type="checkbox"/> Work Assignment Amendment <input type="checkbox"/> Work Plan Approval					<input type="checkbox"/> Work Assignment Close-Out <input type="checkbox"/> Incremental Funding <input type="checkbox"/> TCE update/approval					Periods of Performance: From: Effective Date of Approval To: 9/22/2015																																																							
Comments: New WA. Conduct low flow groundwater sampling. LOE:																																																																	
<input checked="" type="checkbox"/> Superfund <input type="checkbox"/> Oil <input type="checkbox"/> Homeland Security <input type="checkbox"/> Non-Superfund																																																																	
Accounting and Appropriations Data																																																																	
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Total							193																																																										
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Cumulative Approved:					Cost/Fee:		LOE:																																																										
Work Assignment Manager Name: Jeff catanzarita					Branch/Mail Code		MS-101																																																										
(Signature) [Signature] (Date) 4/28/15					Phone Number		609.865.0002																																																										
					Fax Number		732-321-6724																																																										
Project Officer Name: Sella M. Burchette					Branch/Mail Code		MS-101																																																										
(Signature) [Signature] (Date) 4/28/15					Phone Number		732-321-6726																																																										
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Other Agency Official Name:					Branch/Mail Code																																																												
(Signature) (Date)					Phone Number																																																												
					Fax Number																																																												
Contracting Official Name: Claudia M. Armstrong					Branch/Mail Code		3805R																																																										
(Signature) [Signature] (Date) 5/6/15					Phone Number		202-564-6679																																																										
					Fax Number		202-565-2557																																																										
Contractor Acknowledgement of Receipt and Approval of Workplan (Signature and Title)								Date: 5/8/15																																																									

Tuesday, April-28-15

**SERAS Statement of Work
White Swan GW Superfund Site
Wall Township, NJ
WA-273**

Objective:

Conduct VOC GW LF sampling for 60-MWs at the Site in order to compare results from the historical GW sampling rounds. Generate comparative representations to compare to historical and new GW data. Map and report findings.

Background:

See PRP RI Reports.

Task Description:

The contractor shall perform the following:

- o Task 1: Pre-field work;;
- o Task 2: Perform GW sampling;
- o Task 3: Final Reports;

DQO: Generate VOC GW data set to compare with historical GW data

DQO: Generate a GW baseline MNA data set.

Task 1 (Pre-field work):

- Scoping meeting;
- Amend WP, HASP and QAPP;
- Contractor (if necessary) shall place property owner on their insurance cert asap;

Task 2 (Soil Sampling):

- Contractor shall review current MW locations (i.e., area and depth) and PRP's RI report associated GW data to assess any potential data gaps as to placement of MWs;
- Contractor shall collect a complete round of MW water elevations prior to sampling;
- Contractor shall collect GW samples in up to 65-MWs, via the Region II LF SOP;
- Contractor shall collect VOC and MNA GW parameters as well as all GW LF stabilization parameters;
- Contractor shall ship all samples to designated CLP lab unless CLP cannot perform analysis;
- Contractor shall decon all sample equipment according to standard practices;
- Contractor shall display the GW data similar to the PRP's GW maps and cross-sections for the purpose of comparability;
- Contractor shall repair Site to its found quality;
- Contractor shall be prepared to dispose of any purge water.

Task 4: (Reporting)

- Submit Final Report (text, GIS map, figures & tables)
- Contractor shall provide 5-CD copy(s) of the Report to the WAM.

Required Reports:

In conformance with the requirements of the SERAS contract, all environmental sampling and monitoring performed under this task shall be provided in an electronic data deliverable (EDD) form compatible with Scribe. The Scribe project data file shall be a mandatory deliverable.

In conformance with the requirements of the SERAS contract, all deliverables and other relevant project information shall be submitted in electronic format to the appropriate ERT-IMS website. Submission of

deliverables to the appropriate ERT-IMS website shall be considered delivery to the WAM as of the date and time such deliverables are received on the website.

UFP QAPP.

Schedule:

- Assume 9 to 10 days of fieldwork.
- Field operations shall commence something between the date of June 1 and June 14, 2015, 7:30AM.
- Sampling shall be completed no later than June 27, 2015 (TBD).
- Draft report shall be submitted to WAM 10-working days after receipt of final data package.
- Final report shall be submitted to WAM 3-working days after receipt of WAM's comments.

Period of Performance:

- Effective date of approval through Sept 22, 2015.

EPAUnited States Environmental Protection Agency
Washington, DC 20460**Work Assignment**

Work Assignment Number

0-273



Other



Amendment Number:

Contract Number

EP-W-09-031

Contract Period 09/23/2009 To 09/22/2015

Base

Option Period Number 2

Title of Work Assignment/SF Site Name

White Swan GW

Contractor

Lockheed Martin Services, Inc.

Specify Section and paragraph of Contract SOW

II, A, b, g; C, E

Purpose:



Work Assignment



Work Assignment Close-Out



Work Assignment Amendment



Incremental Funding



Work Plan Approval

Period of Performance

From 05/06/2015 To 09/22/2015

Comments:

The purpose of this action is to initiate work assignment 0-273, White Swan GW, for start-up LOE/hours of 193 hours. The contractor shall submit a detail work plan inclusive of a staffing plan and a cost estimate in accordance with contract terms.



Superfund

Accounting and Appropriations Data



Non-Superfund

SFO
(Max 2)

Note: To report additional accounting and appropriations data use EPA Form 1900-69A.

Line	DCN (Max 6)	Budget/FY (Max 4)	Appropriation Code (Max 6)	Budget Org/Code (Max 7)	Program Element (Max 9)	Object Class (Max 4)	Amount (Dollars)	(Cents)	Site/Project (Max 8)	Cost Org/Code (Max 7)
1										
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5										

Authorized Work Assignment Ceiling

Contract Period:

09/23/2009 To 09/22/2015

Cost/Fee:

LOE: 0

This Action:

193

Total:

193

Work Plan / Cost Estimate Approvals

Contractor WP Dated:

Cost/Fee:

LOE:

Cumulative Approved:

Cost/Fee:

LOE:

Work Assignment Manager Name Sella Burchette

Branch/Mail Code:

Phone Number 732-321-6726

FAX Number:

Project Officer Name Sella Burchette

Branch/Mail Code:

Phone Number: 732-321-6726

FAX Number:

Other Agency Official Name

Branch/Mail Code:

Phone Number:

FAX Number:

Contracting Official Name Claudia Armstrong

Branch/Mail Code: 20252

Phone Number: 202-564-6679

FAX Number: 202-565-2557

United States Environmental Protection Agency Washington, DC 20460 Work Assignment						Work Assignment Number SERAS-000 0-274																																																									
						<input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment Number:																																																									
Contract Number EP-W-09-031			Contract Period Base Award Term 2: X			Title of Work Assignment <i>Gang's Lagoon</i>																																																									
Contractor: Lockheed Martin, Inc.				Specify Section and Paragraph of Contract SOW <i>II: A. 4. n. C. C</i>																																																											
Purpose: <input checked="" type="checkbox"/> Work Assignment Initiation <input type="checkbox"/> Work Assignment Amendment <input type="checkbox"/> Work Plan Approval				<input type="checkbox"/> Work Assignment Close-Out <input type="checkbox"/> Incremental Funding <input type="checkbox"/> TCE update/approval		Periods of Performance: From: Effective Date of Approval To: 9/22/2015																																																									
Comments: <i>New WA: Analysis of samples for oil fingerprinting / TPH & PAHs.</i> LOE:																																																															
<input type="checkbox"/> Superfund <input type="checkbox"/> Oil <input type="checkbox"/> Homeland Security <input type="checkbox"/> Non-Superfund																																																															
Accounting and Appropriations Data																																																															
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Cumulative Approved:				Cost/Fee:		LOE:																																																									
Work Assignment Manager Name: <i>Mark Sprenger</i>						Branch/Mail Code MS-101																																																									
(Signature) <i>SMB</i> (Date) <i>5/7/15</i>						Phone Number 732-321-6740																																																									
						Fax Number 732-321-6724																																																									
Project Officer Name: <i>Sella M. Burchette</i>						Branch/Mail Code MS-101																																																									
(Signature) <i>[Signature]</i> (Date) <i>5/7/15</i>						Phone Number 732-321-6725																																																									
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Other Agency Official Name:						Branch/Mail Code																																																									
(Signature) (Date)						Phone Number																																																									
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Contracting Official Name: <i>Claudia M. Armstrong</i>						Branch/Mail Code 3805R																																																									
(Signature) <i>[Signature]</i> (Date) <i>5/14/15</i>						Phone Number 202-564-6679																																																									
						Fax Number 202-565-2557																																																									
Contractor Acknowledgement of Receipt and Approval of Workplan (Signature and Title)						Date: <i>5-15-15</i>																																																									

Work Assignment Detailed Performance Work Statement

Work Assignment Title: Gary Lagoon

Purpose:

SERAS will be tasked with the analyses of approximately 12 samples (both liquid and solid) for oil fingerprinting/TPH/PAHs. This will include assessment of the presence of naturally accruing organic compounds which can interfere with TPH quantification. The data will be used in support of interpretation of toxicity testing data and EOC evaluations being conducted by Region 5 Start.

Background:

The Gary Lagoons (GL) Site is located at 5622 and 5624-34 Industrial Highway, Gary, Lake County, Indiana (Figure 1). The GL Site is a 7-acre vacant property which consisted of two unlined and uncovered lagoons situated in a sandy environment adjacent to wetlands (Figure 2). Previous analytical results indicated the presence of polychlorinated biphenyls (PCBs) and heavy metals in the lagoons as a result of historical illegal dumping. Site contaminants migrated through and around the existing sand berms into the adjacent wetland areas. (Note: Site background information, sampling methods, and analytical methods proposed in this Sampling and Analysis Plan were provided by Environmental Protection Agency (EPA) Region 5 Field Environmental Decision Support Team (FIELD) personnel. Documents included Pollution Report number 4 for the Gary Lagoons Site completed May 21, 1997, and the proposed study for the Gary Lagoons site, March 2015).

Detailed Task Description:

The contractor shall perform the following tasks:

1. Conduct oil fingerprinting analyses and associated chemistry (TPH/PAHs). Approximately 12 samples anticipated.
2. No new QAAP or Workplan is being requested for the WA. Please refer to those documents as prepared and approved for WA 0-017 – Oil Spill Response Support, specifically page 3 under Technical Approach: Oil Fingerprinting Analysis, and more recently WA 265's WP, page 2, Technical Approach – Task 1 wherein it references SERAS SOP #1803: Oil Fingerprinting and Oil Characterization Analysis in Aqueous, Solid and Oil Matrices. Refer to 0-017 and 0-265 QAAPs.
3. Preparation of a Total Cost Estimate (TCE) only is requested.

Required Reports:

1. In conformance with the requirements of the SERAS contract, all environmental sampling and monitoring performed under this task shall be provided in an electronic data deliverable (EDD) form compatible with Scribe. The Scribe project data file shall be a mandatory deliverable.
2. In conformance with the requirements of the SERAS contract, all deliverables and other relevant project information shall be submitted in electronic format to the appropriate ERT-IMS website. Submission of deliverables to the appropriate ERT-IMS website shall be considered delivery to the WAM as of the date and time such deliverables are received on the website.
3. Provide: UFP QAAP

Schedule:

Preliminary report due in 3 weeks after receipt of samples, final analytical report and data interpretation 6 weeks after receipt of samples unless otherwise specified by the WAM.

Period of Performance:

Effective Date of Approval through:
9/22/15

EPAUnited States Environmental Protection Agency
Washington, DC 20460**Work Assignment**

Work Assignment Number

0-274



Other



Amendment Number:

Contract Number

EP-W-09-031

Contract Period 09/23/2009 To 09/22/2015

Base

Option Period Number 2

Title of Work Assignment/SF Site Name

Garys Lagoon

Contractor

Lockheed Martin Services, Inc.

Specify Section and paragraph of Contract SOW

II: A,4;n;C,c

Purpose:



Work Assignment



Work Assignment Close-Out



Work Assignment Amendment



Incremental Funding



Work Plan Approval

Period of Performance

From 09/23/2014 To 09/22/2015

Comments:

The purpose of this action is to initiate work assignment 0-274, entitled Gary's Lagoon with 70 LOE hours to begin work. The contractor shall prepare a work plan and cost estimate in accordance with the contract terms. All other terms and conditions remain unchanged.



Superfund

Accounting and Appropriations Data



Non-Superfund

SFO
(Max 2)

Note: To report additional accounting and appropriations data use EPA Form 1900-69A.

	DCN (Max 6)	Budget/FY (Max 4)	Appropriation Code (Max 6)	Budget Org/Code (Max 7)	Program Element (Max 9)	Object Class (Max 4)	Amount (Dollars)	(Cents)	Site/Project (Max 8)	Cost Org/Code (Max 7)
1										
2										
3										
4										
5										

Authorized Work Assignment Ceiling

Contract Period:

Cost/Fee:

LOE: 0

09/23/2009 To 09/22/2015

This Action:

70

Total:

70

Work Plan / Cost Estimate Approvals

Contractor WP Dated:

Cost/Fee:

LOE:

Cumulative Approved:

Cost/Fee:

LOE:

Work Assignment Manager Name Sella Burchette

Branch/Mail Code:

Phone Number 732-321-6726

FAX Number:

(Signature)

(Date)

Project Officer Name Sella Burchette

Branch/Mail Code:

Phone Number: 732-321-6726

FAX Number:

(Signature)

(Date)

Other Agency Official Name

Branch/Mail Code:

Phone Number:

FAX Number:

(Signature)

(Date)

Contracting Official Name Claudia Armstrong

Branch/Mail Code: 3802

Phone Number: 202-564-6679

FAX Number: 202-565-2557

(Signature)

(Date)

EPA Form 1900-69 (Rev. 07/95)

Work Assignment Detailed Performance Work Statement

SEE OTHER Portion of
WA text for details...

Work Assignment Title: New Castle PRD

Purpose:

Background:

Detailed Task Description:

The contractor shall perform the following tasks:

1.

Required Reports:

1. In conformance with the requirements of the SERAS contract, all environmental sampling and monitoring performed under this task shall be provided in an electronic data deliverable (EDD) form compatible with Scribe. The Scribe project data file shall be a mandatory deliverable.
2. In conformance with the requirements of the SERAS contract, all deliverables and other relevant project information shall be submitted in electronic format to the appropriate ERT-IMS website. Submission of deliverables to the appropriate ERT-IMS website shall be considered delivery to the WAM as of the date and time such deliverables are received on the website.
3. Provide: UFP QAPP

Schedule:

Period of Performance:

Effective Date of Approval through:

9/22/15

Monday, June-22-15

**SERAS Statement of Work
New Cassel Industrial Area
Nassau County, New York
WA-275**

Objective:

Generate a Pre-Remedial Design Work Plan which will be attached to an Order for the PRP to conduct work. No field work is required.

Field - SWS

Background

The site consists of contaminated ground water at and around industrial areas within the towns of North Hempstead, Hempstead and Hicksville, Nassau County, New York.

Within the town of North Hempstead and Hempstead, ground water is emanating from the New Cassel Industrial Area (NCIA). Two PSWs, Bowling Green Well 1 and 2, are located approximately 1,500 feet south of NCIA and were found to have TCE (110 ug/L) and PCE (69 ug/L). Water from these wells is treated by a granulated activated carbon system prior to distribution to a population of more than 8,000 people. Currently, there are 11 sites under NYSDEC remedial oversight within the NCIA. On site soil and groundwater remedial actions have largely been completed for 7 of the 11 sites. NCIA's off-site ground water has a NYSDEC ROD.

An additional PSW field within the town of Hicksville was found to have exceedances of PCE (41 ug/L) and TCE (59 ug/L) above the MCL. The contamination in these two wells is believed to have emanated from an industrial area one mile north of the well field, consisting of two sites, General Instruments and the former Sylvania (FUSRAP), which utilized chlorinated solvents in their production and manufacturing processes. Water from the Hicksville wells, 5-2 and 5-3, is treated by air stripping (capacity 250 ug/L) prior to distribution to a population of more than 24,000 people. Groundwater at both the former Sylvania and General Instrument (S&GI) and sites will be addressed by the EPA in addition to the off-site ground water that has emanated from the sites.

During HRS sampling, Westbury public supply well #10, located approximately 1.5 miles east of NCIA and Bowling Green Wells was found to have cis-1,2 DCE (0.59 ug/L). Approximately two miles southeast of the Bowling Green wells, Roosevelt Field Well 10 located in Hempstead was found to have exceedances of TCE (17ug/L). It is unknown if these two wells have been impacted by the NCIA off site ground water plume. Additionally, public supply wells (well 9-3, well 8-1, well 8-3, and well 4-2) to the west and southwest in the town of Hicksville were found to have exceedances of PCE (up to 24 ug/L), TCE (up to 44 ug/L) and vinyl chloride (0.63 ug/L). Approximately 3 miles south west of GI, Levittown Well 2A in the town Hempstead was found to have exceedances of TCE (11 ug/L). It is unknown if these five public wells have been impacted from ground water emanating from NCIA and S&GI or if there are unknown or other sources responsible for the contamination.

Detailed Task Description:

The contractor shall perform the following:

- Task 1: Administrative
- Task 2: Pre-Remedial Design Report
- Task 3: Report

Task 1 (Administrative)

- Contractor shall have Scoping and/or Site visit as required;
- Contractor shall generate WP for objective;
- Contractor shall generate and update all enviro-numerical data into Scribe throughout the project;
- TL shall provide WAM with weekly hrs of personnel as WAM requests.

Task 2 (Pre-Remedial Design (PRD) Report):

- Contractor shall Generate PRD based on historical documents of the Site.
- Contractor shall attend all necessary meetings with WAM and/or Region II personnel;
- Contractor shall generate a Pre-Remedial Design (PRD) Work Plan (WP) to include, but not limited to, the following objectives:
 - Pilot Study for In-Well Stripping Remediation;
 - Pilot Study for ISCO Remediation;
 - Pump test schemata;
 - Placement of new GW MWs and establish flow regimes.

Task 3 (Reports)

- Contractor shall submit Draft Report (text, map, figures & tables) for review 30 calendar days after receipt of final Validated data package;
- Contractor shall submit Final Report (text, map, figures & tables) 10 working days after receipt of comments from WAM;
- Contractor shall provide hard copy(s)(TBD) as well as a CD copy of the Report to the Region;
- Contractor shall format CDs as to WAMs preference as in the past reports;
- Contractor's updated scribe files shall be included.

Required Reports:

1. In conformance with the requirements of the SERAS contract, all environmental sampling and monitoring performed under this task shall be provided in an electronic data deliverable (EDD) form compatible with Scribe. The Scribe project data file shall be a mandatory deliverable. This dataset must be compatible with Region 2 EDD requirements.
2. In conformance with the requirements of the SERAS contract, all deliverables and other relevant project information shall be submitted in electronic format to the appropriate ERT-IMS website. Submission of deliverables to the appropriate ERT-

IMS website shall be considered delivery to the WAM as of the date and time such deliverables are received on the website.

3. Provide: Site Specific UFQAPP.

Schedule:

Draft PRD report shall be submitted for review and comment to WAM by Sept 15th.

Final PRD report shall be submitted to WAM 5 working days upon receipt of comments.

Period of Performance:

Effective Date of Approval through Sept 22nd 2015 :

EPAUnited States Environmental Protection Agency
Washington, DC 20460**Work Assignment**

Work Assignment Number

0-275

☐ Other ☐ Amendment Number

Contract Number

EP-W-09-031

Contract Period 09/23/2009 To 09/22/2015

Base Option Period Number 2

Title of Work Assignment/SF Site Name

New Castle PRD

Contractor

Lockheed Martin Services, Inc.

Specify Section and paragraph of Contract SOW

Purpose

☒ Work Assignment☐ Work Assignment Close-Out☐ Work Assignment Amendment☐ Incremental Funding☐ Work Plan Approval

Period of Performance

From 06/26/2015 To 09/22/2015

Comments

The purpose of this action is to initiate work assignment 0-275, entitled New Castle PRD, with 240 LOE hours to begin work. The contractor shall prepare a work plan and cost estimate in accordance with the contract terms. All other terms and conditions remain unchanged.

☒ Superfund

Accounting and Appropriations Data

☐ Non-SuperfundSFO
(Max 2)☐

Note: To report additional accounting and appropriations data use EPA Form 1900-B9A

Line	DCN (Max 6)	Budget/FY (Max 4)	Appropriation Code (Max 6)	Budget Org/Code (Max 7)	Program Element (Max 9)	Object Class (Max 4)	Amount (Dollars)	(Cents)	Site/Project (Max 8)	Cost Org/Code (Max 7)
1										
2										
3										
4										
5										

Authorized Work Assignment Ceiling

Contract Period

09/23/2009 To 09/22/2015

Cost/Fee

LOE: 0

This Action

240

Total

240

Work Plan / Cost Estimate Approvals

Contractor WP Dated

Cost/Fee

LOE

Cumulative Approved

Cost/Fee

LOE

Work Assignment Manager Name: Sella Burchette

(Signature)

(Date)

Branch/Mail Code:

Phone Number: 732-321-6726

FAX Number:

Project Officer Name: Sella Burchette

(Signature)

(Date)

Branch/Mail Code:

Phone Number: 732-321-6726

FAX Number:

Other Agency Official Name:

(Signature)

(Date)

Branch/Mail Code:

Phone Number:

FAX Number:

Contracting Official Name: Claudia Armstrong


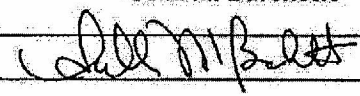
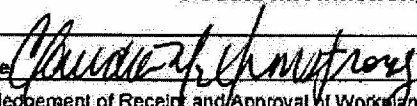
(Signature)

(Date)

Branch/Mail Code: 3805R

Phone Number: 202-564-6679

FAX Number: 202-565-2557

United States Environmental Protection Agency Washington, DC 20460 Work Assignment						Work Assignment Number SERAS-276																																																															
						<input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment Number:																																																															
Contract Number EP-W-09-031			Contract Period Base Award Term 2: X			Title of Work Assignment Pilgrim Cleaners Vapor Intrusion Site																																																															
Contractor: Lockheed Martin, Inc.						Specify Section and Paragraph of Contract SOW II, 4, 5																																																															
Purpose: <input checked="" type="checkbox"/> Work Assignment Initiation <input type="checkbox"/> Work Assignment Close-Out <input type="checkbox"/> Work Assignment Amendment <input type="checkbox"/> Incremental Funding <input type="checkbox"/> Work Plan Approval <input type="checkbox"/> TCE update/approval						Periods of Performance: From: Effective Date of Approval To: 9/22/2015																																																															
Comments: Original New WA. Vapor intrusion work. LOE:																																																																					
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Work Assignment Manager Name: gary newhart						Branch/Mail Code: MS-101																																																															
(Signature)  (Date) 6/23/15						Phone Number: 732-321-6740																																																															
						Fax Number: 732-321-6724																																																															
Project Officer Name: Sella M. Burchette						Branch/Mail Code: MS-101																																																															
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						Fax Number: 202-565-2557																																																															
Contractor Acknowledgement of Receipt and Approval of Work Plan (Signature and Title)						Date: 6/26/15																																																															

Work Assignment Detailed Performance Work Statement

Work Assignment Title: Pilgrim Cleaners Vapor Intrusion Site

Purpose:

The purpose of this Work Assignment amendment is to provide technical support to US EPA's Region 5 through performing a subsurface soil gas / vapor intrusion investigation at the Pilgrim Cleaners Vapor Intrusion Site, located in Richfield, Minnesota (MN). Compounds of concern are volatile organic compounds (VOCs) associated with dry cleaning operations.

Background:

The US Environmental Protection Agency (EPA) and the Minnesota Pollution Control Agency (MPCA) are conducting an environmental investigation in the area of West 66th Street and Vincent Avenue, in Hennepin County, Richfield, Minnesota. Richfield has a population of about 35,000 residents who live within a seven square miles of neighborhoods, parks and shops. A dry cleaning business operates in this area, Tetrachloroethene (PCE) and the chemical's daughter products has been detected in groundwater in the vicinity of the dry cleaning business; previously, the MPCA had installed vapor mitigation systems in 2013 due to a related vapor intrusion investigation. The MPCA has stated that the local municipal water supply has not been contaminated by this source. (See <http://www.pca.state.mn.us/huhhkxx>)

The testing will determine if contamination in underground vapors are present; sub-slab vapors may be entering homes which may be a risk to indoor receptors.

Detailed Task Description:

The contractor shall perform the following tasks:

1. SERAS personnel shall sample up to ten locations to evaluate the vapor intrusion pathways into these residences/businesses. This is being completed to protect human health.
2. SERAS personnel shall collect ambient air samples to complete the evaluation of vapor intrusion pathways.
3. SUMMA passivated canisters shall be used to collect sub-surface and ambient air samples. All SUMMA canisters and flow controllers must be certified clean at the levels less than or equal to the required reporting limit (RL). Collected air samples shall be analyzed for VOCs following EPA Toxic Organic Compendium Method TO-15. Samples shall be analyzed and data shall meet a RL of 30 parts per trillion by volume (pptv). Analytical results shall be reviewed and validated by SERAS Quality Assurance/Quality Control (QA/QC) Chemists. The analytical results shall be reported in both parts per billion by volume (ppbv) and micrograms per cubic meter (ug/m3).

Required Reports:

Required Reports:

1. In conformance with the requirements of the SERAS contract, all environmental sampling and monitoring performed under this task shall be provided in an electronic data deliverable (EDD) form compatible with Scribe. The Scribe project data file shall be a mandatory deliverable.
2. In conformance with the requirements of the SERAS contract, all deliverables and other relevant project information shall be submitted in electronic format to the appropriate ERT-IMS website. Submission of deliverables to the appropriate ERT-IMS website shall be considered delivery to the WAM as of the date and time such deliverables are received on the website.
3. Provide: UFP QAPP

Schedule:

The field work shall begin in July of 2015. Preliminary analytical results shall be delivered within 10 working days of submission of the samples for analysis. The Final Analytical Report shall be delivered 10 days after receipt of the completed QA/QC review. The Final Trip Report outlining Site activities with the Analytical data is due 20 days after submission of the Final Analytical Report.

Period of Performance:

Effective Date of Approval through:
9/22/15

EPAUnited States Environmental Protection Agency
Washington, DC 20460**Work Assignment**

Work Assignment Number

0-276

☐ Other ☐ Amendment Number:

Contract Number

EP-W-09-031

Contract Period 09/23/2009 To 09/22/2015

Base

Option Period Number 2

Title of Work Assignment/SF Site Name

Pilgrim's Cleaner

Contractor

Lockheed Martin Services, Inc.

Specify Section and paragraph of Contract SOW

II, 4, j

Purpose

☒ Work Assignment☐ Work Assignment Close-Out☐ Work Assignment Amendment☐ Incremental Funding☐ Work Plan Approval

Period of Performance

From 06/26/2015 To 09/22/2015

Comments

The purpose of this action is to initiate work assignment (SOW), entitled Pilgrim's Cleaner, with a LOS hours to begin work. The Contractor shall prepare a work plan and cost estimate in accordance with the contract terms. All other terms and conditions shall be unchanged.

☒ Superfund

Accounting and Appropriations Data

☐ Non-Superfund

Note: To report additional accounting and appropriations data use EPA Form 1900-69A

SFO
(Max 2)☐

Line	DCN (Max 6)	Budget/FY (Max 4)	Appropriation Code (Max 6)	Budget Org/Code (Max 7)	Program Element (Max 9)	Object Class (Max 4)	Amount (Dollars)	(Cents)	Site/Project (Max 8)	Cost Org/Code (Max 7)
1										
2										
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4										
5										

Authorized Work Assignment Ceiling

Contract Period

Cost/Fee:

LOE 0

09/23/2009 To 09/22/2015

This Action

40

Total:

40

Work Plan / Cost Estimate Approvals

Contractor WP Dated:

Cost/Fee:

LOE

Cumulative Approved

Cost/Fee:

LOE 40

Work Assignment Manager Name Sella Burchette

Branch/Mail Code:

Phone Number 732-321-6726

FAX Number:

(Signature)

(Date)

Project Officer Name Sella Burchette

Branch/Mail Code:

Phone Number 732-321-6726

FAX Number:

(Signature)

(Date)

Other Agency Official Name:

Branch/Mail Code:

Phone Number:

FAX Number:

(Signature)

(Date)

Contracting Official Name Claudia Armstrong

Branch/Mail Code:

Phone Number 202-564-6679

FAX Number 202-565-2557

(Signature)

(Date) 6/26/15

United States Environmental Protection Agency Washington, DC 20460 Work Assignment					Work Assignment Number SERAS-000 0 - 277																																																												
					<input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment Number:																																																												
Contract Number EP-W-09-031			Contract Period Base Award Term 2: X			Title of Work Assignment Wilcox Refinery																																																											
Contractor: Lockheed Martin, Inc.					Specify Section and Paragraph of Contract SOW II, C. b.																																																												
Purpose: <input checked="" type="checkbox"/> Work Assignment Initiation <input type="checkbox"/> Work Assignment Amendment <input type="checkbox"/> Work Plan Approval					<input type="checkbox"/> Work Assignment Close-Out <input type="checkbox"/> Incremental Funding <input type="checkbox"/> TCE update/approval																																																												
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Comments: original WA. Build conceptual site model, CSM. phase 1: geophysics.																																																																	
LOE:																																																																	
<input checked="" type="checkbox"/> Superfund <input type="checkbox"/> Oil <input type="checkbox"/> Homeland Security <input type="checkbox"/> Non-Superfund																																																																	
Accounting and Appropriations Data																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>DC</th> <th>Budget/FYs</th> <th>Appropriations</th> <th>Budget Org/Code</th> <th>Program Element</th> <th>Object</th> <th>Site/Project</th> <th>Cost Org/Code</th> </tr> <tr> <th>Line (Max 6)</th> <th>(Max 4)</th> <th>Code (Max 6)</th> <th>(Max 7)</th> <th>(Max 9)</th> <th>Class Amount</th> <th>(Max 6)</th> <th>(Max 7)</th> </tr> </thead> <tbody> <tr><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>2</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>										DC	Budget/FYs	Appropriations	Budget Org/Code	Program Element	Object	Site/Project	Cost Org/Code	Line (Max 6)	(Max 4)	Code (Max 6)	(Max 7)	(Max 9)	Class Amount	(Max 6)	(Max 7)	1								2								3								4								5							
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Work Plan / Cost Estimate Approvals																																																																	
Contractor WP Dated:					Cost/Fee:		LOE:																																																										
Cumulative Approved:					Cost/Fee:		LOE:																																																										
Work Assignment Manager Name: Tom Kedy					Branch/Mail Code MS-101																																																												
(Signature) <i>SMB</i>					Phone Number 732-321-6740																																																												
(Date) 7/13/15					Fax Number 732-321-6724																																																												
Project Officer Name: Sella M. Burchette					Branch/Mail Code MS-101																																																												
(Signature) <i>Sella M. Burchette</i>					Phone Number 732-321-6726																																																												
(Date) 7/13/15					Fax Number 732-321-6724																																																												
Other Agency Official Name:					Branch/Mail Code																																																												
(Signature)					Phone Number																																																												
(Date)					Fax Number																																																												
Contracting Official Name: Claudia M. Armstrong					Branch/Mail Code 3805R																																																												
(Signature)					Phone Number 202-564-6679																																																												
(Date)					Fax Number 202-565-2557																																																												
Contractor Acknowledgement of Receipt and Approval of Workplan (Signature and Title)								Date: 7/15/15																																																									

Work Assignment Detailed Performance Work Statement

Work Assignment Title: Wilcox Refinery Direct-Sensing Investigation

Purpose:

1. Purpose:

- Build a CSM that will lead to more focused/tailored RI effort and better remedial decision
- Deploy rapid screening and direct sensing methodologies at the former Wilcox/Lorraine refinery operations facility and the former Wilcox tank farm area to gain an understanding of geology, hydrology, and nature and extent of contamination.
- This information will be used to develop a more comprehensive RI/FS, but one that is focused on determining appropriate remediation technologies and their cost/technical effectiveness.

Data Quality Objectives:

- What is the bedrock topography?
 - Are direct-push, direct-sensing technologies viable in this area?
 - Does the bedrock topography create preferential pathways?
- What subsurface structures and utilities exist?
 - Foundations?
 - Piping?
 - USTs?
 - Other?
- What array of COCs are likely at the refinery operations? In the northern tank farm area? In the eastern tank farm area?
- What rapid screening and direct sensing techniques are viable, given the answers to question above?

Background:

WILCOX OIL COMPANY
Creek County, Oklahoma
Creek County

Site Location:

Wilcox Oil Company (Wilcox) includes the inactive and abandoned Lorraine and Wilcox oil refineries located in Creek County, Oklahoma. The site is located within commuting distance to Tulsa.

Site History:

The site consists of the former Lorraine/Wilcox Refinery located in Creek County, Oklahoma. The property was utilized by two different refineries with overlapping boundaries from 1915 to 1965. Wilcox operated as a crude oil refinery from the 1920s until 1963. A skimming and cracking plant was constructed in 1929. The main components of the plant consisted of a skimming plant, cracking unit and re-distillation battery with vapor recovery system and treatment equipment. Wilcox expanded when it acquired the Lorraine Refinery in 1937, which was located adjacent to Wilcox. The two refineries comprise 125 acres. The site includes remnants of former oil refining operations and tank farms. Currently there are six residents living on-site, homes are located in areas of former waste operations.

■ Site Contamination/Contaminants:

Wilcox site sources include contaminated soil, cooling ponds and numerous tank bottoms. Hazardous substances include polycyclic aromatic hydrocarbons (PAHs) and metals, primarily lead.

■ Potential Impacts on Surrounding Community/Environment:

Currently, a church and six residents are located within the former refinery boundaries, half of which utilize ground water from private wells. Intermittent streams drain the source areas and flow to Sand Creek. A release of copper, lead and PAHs has been documented to the wetlands of Sand Creek. Sand Creek flows to Little Deep Fork Creek from which fish are caught for human consumption.

■ Response Activities (to date):

No formal response activities have been conducted. Multiple sampling events have been conducted by the Oklahoma Department of Environmental Quality at the request of the EPA Region 6. Preliminary Assessment (PA), Site Investigation (SI) and Expanded Site Investigation (ESI) have been performed at both facilities.

Detailed Task Description:

The contractor shall perform the following tasks:

Scope of Work:

Geophysical survey – 2-3 week effort

- an essential first step to determine
 - Preferential flow pathways
 - Feasibility of direct sensing technologies

Direct sensing costs (need geophysical work to determine specific scope):

- Determine nature and extent of refinery waste using direct sensing technologies
- Representative confirmation/correlation testing (e.g., assays (pH, PAHs and TPH), well points/piezometers, soil cores, field testing
- Limited lab work for confirmation/correlation of field testing
- Data visualization

1. Refinery operations area

- Clear/grub major perimeter paths around the various operational units
- Perform subsurface utility markout of process unit perimeters for suspected foundations, pipes, utilities, USTs, etc.
- Determine depth of overburden (depth to bedrock surface)
- Screen soils for pH, metals, PAHs, TPH
- Determine and perform viable direct-sensing techniques
- Perform data visualization of subsurface geology and COC distribution

2. Tank farm areas

- Clear seismic/resistivity lines throughout tank farm areas

- Perform geophysical testing
- Map bedrock topography
- Screen soils for pH, metals, PAHs, TPH
- Determine appropriate direct-sensing technologies, given the geology and preferential pathways
- Perform direct-sensing investigation
- Perform data visualization of subsurface geology and COC distribution

Required Reports:

1. In conformance with the requirements of the SERAS contract, all environmental sampling and monitoring performed under this task shall be provided in an electronic data deliverable (EDD) form compatible with Scribe. The Scribe project data file shall be a mandatory deliverable.
2. In conformance with the requirements of the SERAS contract, all deliverables and other relevant project information shall be submitted in electronic format to the appropriate ERT-IMS website. Submission of deliverables to the appropriate ERT-IMS website shall be considered delivery to the WAM as of the date and time such deliverables are received on the website.
3. Provide: UFP QAPP

Schedule:

Geophysical Survey – Field portion complete by August 14. Report complete by September 15.

Direct Sensing Investigation (likely CPT/LIF) – Field portion October 2015.

Data visualization – Preliminary work product upon demobilization from field.

Final report and final/refined data visualization – Nov 30, 2015

Period of Performance:

Effective Date of Approval through:
9/22/15

EPAUnited States Environmental Protection Agency
Washington, DC 20460**Work Assignment**

Work Assignment Number

0-277

☐ Other ☐ Amendment Number:

Contract Number

EP-W-09-031

Contract Period 09/23/2009 To 09/22/2015

Base

Option Period Number 2

Title of Work Assignment/SF Site Name

Wilcox Refinery Direct Sensing

Contractor

Lockheed Martin Services, Inc.

Specify Section and paragraph of Contract SOW

II, C, 2

Purpose



Work Assignment



Work Assignment Close-Out



Work Assignment Amendment



Incremental Funding



Work Plan Approval

Period of Performance

From 07/14/2015 To 09/22/2015

Comments:

The purpose of this action is to initiate work assignment ⁰⁻²⁷⁷ ~~0-276~~, entitled Wilcox Refinery Direct Sensing Investigation, with 451 LOE hours to begin work. The contractor shall prepare a work plan and cost estimate in accordance with the contract terms. All other terms and conditions remain unchanged.

☒ Superfund

Accounting and Appropriations Data

☐ Non-Superfund

Note: To report additional accounting and appropriations data use EPA Form 1900-69A.

SFO
(Max 2)

Line	DCN (Max 5)	Budget/FY (Max 4)	Appropriation Code (Max 6)	Budget Org/Code (Max 7)	Program Element (Max 9)	Object Class (Max 4)	Amount (Dollars)	(Cents)	Site/Project (Max 8)	Cost Org/Code (Max 7)
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Authorized Work Assignment Ceiling

Contract Period:

Cost/Fee:

LOE: 0

09/23/2009 To 09/22/2015

This Action:

451

Total:

451

Work Plan / Cost Estimate Approvals

Contractor WP Dated:

Cost/Fee:

LOE:

Cumulative Approved:

Cost/Fee:

LOE: 451

Work Assignment Manager Name Sella Burchette

Branch/Mail Code:

Phone Number 732-321-6726

FAX Number:

(Signature)

(Date)

Project Officer Name Sella Burchette

Branch/Mail Code:

Phone Number: 732-321-6726

FAX Number:

(Signature)

(Date)

Other Agency Official Name

Branch/Mail Code:

Phone Number:

FAX Number:

(Signature)

(Date)

Contracting Official Name Claudia Armstrong

Branch/Mail Code:

Phone Number: 202-564-6679

FAX Number: 202-565-2557

(Signature)

(Date) 7/15/15

KAR

United States Environmental Protection Agency Washington, DC 20460 Work Assignment						Work Assignment Number SERAS-000 0-278																																																													
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Contract Number EP-W-09-031			Contract Period: Base Award Term 2: X			Title of Work Assignment Vessup Bay, Odor Assessment																																																													
Contractor: Lockheed Martin, Inc.				Specify Section and Paragraph of Contract SOW II, B, a-c																																																															
Purpose: <input checked="" type="checkbox"/> Work Assignment Initiation <input type="checkbox"/> Work Assignment Amendment <input type="checkbox"/> Work Plan Approval				<input type="checkbox"/> Work Assignment Close-Out <input type="checkbox"/> Incremental Funding <input type="checkbox"/> TCE update/approval		Periods of Performance: From: Effective Date of Approval To: 9/22/2015																																																													
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Cumulative Approved:				Cost/Fee:		LOE: 85																																																													
Work Assignment Manager Name: Raj Singhvi						Branch/Mail Code MS-101																																																													
(Signature) (Date) 7/21/15						Phone Number 732-321-6740																																																													
						Fax Number 732-321-6724																																																													
Project Officer Name: Sella M. Burchette						Branch/Mail Code MS-101																																																													
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						Fax Number 202-565-2557																																																													
Contractor Acknowledgement of Receipt and Approval of Workplan (Signature and Title)						Date: 7/24/15																																																													

Work Assignment Detailed Performance Work Statement

Work Assignment Title: Vessup Bay, Odor Assessment

Purpose:

To perform Odor assessment at Vessup Bay near Red hook, St. Thomas.

Background:

In late August/early September 2014, EPA's St. Thomas office received calls from residents and businesses in the Red Hook Community of St. Thomas, USVI, complaining of a strong sewage-like odor existing specifically in the immediate area of Vessup Bay. At the head of Vessup Bay is the Vessup POTW (VI0020133), a small package wastewater treatment plant (WWTP). (See Attachment 1). Vessup POTW services a relatively small area, which stretches from the Army National Guard Facility (Armory) through to the Red Hook Marina Market complex. At the time, EPA referred the matter to attention of the V.I. Department of Planning and Natural Resources (VIDPNR) for further investigation.

VIDPNR evaluated that the Vessup POTW was functional and in good operational condition at the time of the odor event, and the sewer line examined at various manholes appeared to be flowing well (no back-up of wastewater due to clogged section of the sewer line). VIDPNR also confirmed that Inspectors from the VIWMA were also out, in conjunction with DPNR, performing field assessments in the Red Hook area, in an effort to determine cause of the strong sewage like odors.

In the absence of existing conditions associating the strong sewage odor to operation of the POTW, VIDPNR also inspected the marine wetland area adjacent to the Vessup POTW, and observed a large accumulation of Sargassum seaweed, that had washed-up onto the shoreline of St. Thomas, including the mangrove wetland immediately next to the Vessup POTW. According to general reports, it is not unusual that Sargassum Seaweed washes-up into the area in question resulting in heavy accumulations. There is speculation that the strong sewage-like odor could be associated with the natural decomposition process of the large quantities of Sargassum seaweed accumulated in the mangrove wetland.

The odor event in Vessup Bay in 2014 lasted through the fall before dissipating before the end of the year. The odors appeared July 11, 2015 and lasted for a week. Region II requested ERT assistance to determine the source of odor near high school and fish and wild life office.

Detailed Task Description:

The contractor shall perform the following tasks:

1. The contractor shall develop the laboratory to analyze water/seaweed samples for DMS at 1.0ppb level.
2. The contractor shall analyze up to 30 water/seaweed/sediments samples.
3. The contractor shall analyze up to 20 Summa using ASTM D5504
4. The contractor shall analyze water/seaweed/sediments samples for sulfate using EPA method 375.
5. The contractor shall analyze water/seaweed/sediments samples for sulfide using EPA method 376.1
6. The contractor shall assist in real time monitoring for hydrogen sulfide in air near treatment plant, high school, fish and wild life office.
7. The water/ seaweed/sediment samples will be collected by assistance of Local agencies.

Required Reports:

1. In conformance with the requirements of the SERAS contract, all environmental sampling and monitoring performed under this task shall be provided in an electronic data deliverable (EDD) form compatible with Scribe. The Scribe project data file shall be a mandatory deliverable.
2. In conformance with the requirements of the SERAS contract, all deliverables and other relevant project information shall be submitted in electronic format to the appropriate ERT-IMS website. Submission of deliverables to the appropriate ERT-IMS website shall be considered delivery to the WAM as of the date and time such deliverables are received on the website.
3. Provide: UFP QAPP

Schedule:

TBD

Period of Performance:

Effective Date of Approval through:

9/22/15

EPAUnited States Environmental Protection Agency
Washington, DC 20460**Work Assignment**

Work Assignment Number

0-278



Other



Amendment Number:

Contract Number

EP-W-09-031

Contract Period 09/23/2009 To 09/22/2015

Base

Option Period Number 2

Title of Work Assignment/SF Site Name

Vessup Bay, Odor Assessment

Contractor

Lockheed Martin Services, Inc.

Specify Section and paragraph of Contract SOW

II, B, a-c

Purpose:



Work Assignment



Work Assignment Close-Out



Work Assignment Amendment



Incremental Funding



Work Plan Approval

Period of Performance

From 07/22/2015 To 09/22/2015

Comments:

The purpose of this action is to initiate work assignment 0-278, entitled Vessup Bay, Odor Assessment, with 85 LOE hours to begin work. The contractor shall prepare a work plan and cost estimate in accordance with the contract terms. All other terms and conditions remain unchanged.



Supertund

Accounting and Appropriations Data



Non-Supertund

SFO

(Max 2)



Note: To report additional accounting and appropriations data use EPA Form 1900-69A.

Line	DCN (Max 6)	Budget/FY (Max 4)	Appropriation Code (Max 6)	Budget Org/Code (Max 7)	Program Element (Max 9)	Object Class (Max 4)	Amount (Dollars)	(Cents)	Site/Project (Max 8)	Cost Org/Code (Max 7)
1										
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3										
4										
5										

Authorized Work Assignment Ceiling

Contract Period:

Cost/Fee:

LOE: 0

09/23/2009 To 09/22/2015

This Action:

85

Total:

85

Work Plan / Cost Estimate Approvals

Contractor WP Dated:

Cost/Fee:

LOE:

Cumulative Approved:

Cost/Fee:

LOE: 85

Work Assignment Manager Name Raj Singhvi

Branch/Mail Code:

Phone Number 732-321-6761

FAX Number:

(Signature)

(Date)

Project Officer Name Sella Burchette

Branch/Mail Code:

Phone Number: 732-321-6726

FAX Number:

(Signature)

(Date)

Other Agency Official Name

Branch/Mail Code:

Phone Number:

FAX Number:

(Signature)

(Date)

Contracting Official Name Claudia Armstrong

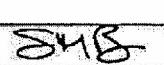
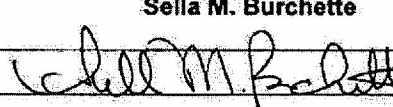
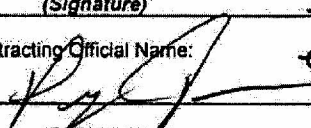
Branch/Mail Code: 3808

Phone Number: 202-564-6679

FAX Number: 202-565-2557

(Signature)

(Date) 7/24/15

United States Environmental Protection Agency Washington, DC 20460 Work Assignment						Work Assignment Number SERAS-000 0-279																																																											
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Contract Number EP-W-09-031			Contract Period Base Award Term 2: X			Title of Work Assignment North Brunswick Warehouse Fire																																																											
Contractor: Lockheed Martin, Inc.						Specify Section and Paragraph of Contract SOW I.B.																																																											
Purpose: <input checked="" type="checkbox"/> Work Assignment Initiation <input type="checkbox"/> Work Assignment Amendment <input type="checkbox"/> Work Plan Approval						<input type="checkbox"/> Work Assignment Close-Out <input type="checkbox"/> Incremental Funding <input type="checkbox"/> TCE update/approval		Periods of Performance: From: Effective Date of Approval To: 9/22/15																																																									
Comments: New WA. Air monitoring support during fire. LOE:																																																																	
<input type="checkbox"/> Superfund <input type="checkbox"/> Oil <input type="checkbox"/> Homeland Security <input type="checkbox"/> Non-Superfund																																																																	
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Cumulative Approved:						Cost/Fee:		LOE: 90																																																									
Work Assignment Manager Name: Christopher T Gallo						Branch/Mail Code MS-101																																																											
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						Fax Number 732-321-6724																																																											
Project Officer Name: Sella M. Burchette						Branch/Mail Code MS-101																																																											
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						Fax Number																																																											
Contracting Official Name: Perry Jones Claudia M. Armstrong						Branch/Mail Code 3805R																																																											
(Signature)  (Date) 7-29-15						Phone Number 202-564-6679																																																											
						Fax Number 202-565-2557																																																											
Contractor Acknowledgment of Receipt and Approval of Workplan (Signature and Title)								Date: 7/29/15																																																									

Work Assignment Detailed Performance Work Statement

Work Assignment Title: North Brunswick Fire – Region 2 ER

Purpose:

ERT/SERAS was tasked by Region 2 to provide air monitoring for the neighborhoods surrounding a fire that occurred at 1600 Livingston Avenue in North Brunswick. Air monitoring to be conducted for VOCs, HCN and Particulates.

Background:

A five-alarm fire engulfed a warehouse that houses eight businesses early Wednesday, displacing residents from six nearby apartment buildings and shutting down roadways in the area. The fire began just before 2 A.M. on the 1600 block of Livingston Avenue in North Brunswick. Operations for eight businesses are housed in the structure, including ones for floor coverings, car parts, car batteries and home furnishings such as plastic blinds. Some residential buildings have also caught fire. One firefighter was slightly hurt fighting the blaze, but no other injuries were reported.

EPA Region 2 REOC deployed two OSCs to the scene to initiate air monitoring at the request of the NJDEP. EPA activated its Environmental Response Team and its technical assistance contractor to the scene to perform air monitoring and air sampling.

Detailed Task Description:

The contractor shall perform the following tasks:

1. Air Monitoring to be set up for VOCs, HCN and Particulates for the length of time designated by the Region 2 OSCs.
2. Up to 5 Air Monitoring stations to be set up and will have the ability to change locations based on wind direction and other factors determined by the ERT WAM/Region 2 OSC.
3. All instruments will be set up with our VIPER Data Management System for real time Time Weighted Averages for OSCs and the State to make decisions based on the values. The Region and the State will be able to see VIPER Deployment Manager in order to make decisions based on the numbers.

Required Reports:

1. In conformance with the requirements of the SERAS contract, all deliverables and other relevant project information shall be submitted in electronic format to the appropriate ERT-IMS website. Submission of deliverables to the appropriate ERT-IMS website shall be considered delivery to the WAM as of the date and time such deliverables are received on the website.
2. Trip report to be generated to go over activities and lessons learned from this emergency response.

Schedule:

24 hours a day for 5 days, 07/22-07/25/2015, SERAS staff on site should be familiar with air monitoring equipment and Viper Data Management System, software and hardware.

Period of Performance:

Effective Date of Approval through:

9/22/16

EPAUnited States Environmental Protection Agency
Washington, DC 20460**Work Assignment**

Work Assignment Number:

0-279

☐ Other ☐ Amendment Number:

Contract Number

EP-W-09-031

Contract Period 09/23/2009 To 09/22/2015

Base

Option Period Number 2

Title of Work Assignment/SF Site Name

North Brunswick WH Fire

Contractor

Lockheed Martin Services, Inc.

Specify Section and paragraph of Contract SOW

1, B

Purpose:



Work Assignment



Work Assignment Close-Out



Work Assignment Amendment



Incremental Funding



Work Plan Approval

Period of Performance

From 09/23/2009 To 09/22/2015

Comments:

The purpose of this action is to initiate WA 0-279, entitled North Brunswick Warehouse Fire, with 90 LOE hours to begin work. The contractor shall prepare a work plan and cost estimate in accordance with the contract terms. All other terms and conditions remain unchanged.



Superfund

Accounting and Appropriations Data



Non-Superfund

SFO
(Max 2)

Note: To report additional accounting and appropriations data use EPA Form 1900-69A.

Line	DCN (Max 6)	Budget/FY (Max 4)	Appropriation Code (Max 6)	Budget Org/Code (Max 7)	Program Element (Max 9)	Object Class (Max 4)	Amount (Dollars)	(Cents)	Site/Project (Max 8)	Cost Org/Code (Max 7)
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3										
4										
5										

Authorized Work Assignment Ceiling

Contract Period:

Cost/Fee:

LOE: 0

09/23/2009 To 09/22/2015

This Action:

90

Total:

90

Work Plan / Cost Estimate Approvals

Contractor WP Dated:

Cost/Fee:

LOE:

Cumulative Approved:

Cost/Fee:

LOE: 90

Work Assignment Manager Name Sella Burchette

Branch/Mail Code:

Phone Number 732-321-6726

FAX Number:

(Signature)

(Date)

Project Officer Name Sella Burchette

Branch/Mail Code:

Phone Number: 732-321-6726

FAX Number:

(Signature)

(Date)

Other Agency Official Name:

Branch/Mail Code:

Phone Number:

FAX Number:

(Signature)

(Date)

Contracting Official Name Percy Jones

Branch/Mail Code:

Phone Number: 202-564-7647

FAX Number:

(Signature)

(Date) 7-29-2015

United States Environmental Protection Agency Washington, DC 20460 Work Assignment				Work Assignment Number SERAS-000 0-280																																																									
				<input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment Number:																																																									
Contract Number EP-W-09-031		Contract Period Base Award Term 2: X		Title of Work Assignment Macon Naval Ordnance Plant																																																									
Contractor: Lockheed Martin, Inc.			Specify Section and Paragraph of Contract SOW A 1)a, d-h, Ba-k, D 1)a-c.e, E1)b,d,e,f 2)a-c																																																										
Purpose: <input checked="" type="checkbox"/> Work Assignment Initiation <input type="checkbox"/> Work Assignment Amendment <input type="checkbox"/> Work Plan Approval		<input type="checkbox"/> Work Assignment Close-Out <input type="checkbox"/> Incremental Funding <input type="checkbox"/> TCE update/approval		Periods of Performance: From: Effective Date of Approval To: 9/22/2015																																																									
Comments: <i>Original/New WA: Vapor intrusion study</i> LOE:																																																													
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Contractor WP Dated:		Cost/Fee:		LOE:																																																									
Cumulative Approved:		Cost/Fee:		LOE:																																																									
Work Assignment Manager Name: David B. Mickunas				Branch/Mail Code E343-04																																																									
(Signature) <i>DMB</i> (Date) <i>7/21/15</i>				Phone Number 732-321-6740																																																									
				Fax Number 919-541-4191																																																									
Project Officer Name: Sella M. Burchette				Branch/Mail Code MS-101																																																									
(Signature) <i>Sella M Burchette</i> (Date) <i>7/21/15</i>				Phone Number 732-321-6726																																																									
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Contracting Official Name: Claudia M. Armstrong				Branch/Mail Code 3805R																																																									
(Signature) <i>Claudia M Armstrong</i> (Date) <i>8/12/15</i>				Phone Number 202-564-6679																																																									
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Contractor Acknowledgement of Receipt and Approval of Workplan (Signature and Title)				Date: <i>8/13/15</i>																																																									

Work Assignment Detailed Performance Work Statement

Work Assignment Title: Macon Naval Ordnance Plant

Purpose:

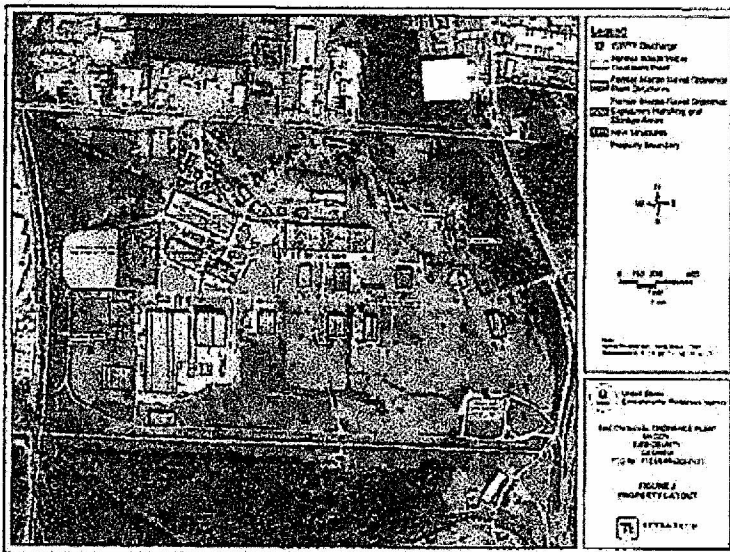
The purpose of this work assignment is assist the US EPA Region 4 with a vapor intrusion study to be conducted at the Macon Naval Ordnance Plant in Macon, GA. The vapor intrusion study will assist to delineate the extent of the subsurface gas plume and determine if there is indoor impact associated with the subsurface plume.

Background:

The 433-acre site is an active industrial park south of Macon, Georgia. The industrial park includes several facilities and storage areas from former operations, along with several new facilities and structures. Guy Paine Road borders the site to the north, while the Armstrong World Industries Superfund site borders the site to the west. Macon Water Authority Rocky Creek Water Reclamation Facility, Rocky Creek, and a former landfill used by both Armstrong and the Navy border the site to the south. Mead Road and Norfolk Southern railroad tracks border the site to the east.

From 1941 until 1965, the U.S. Navy conducted ordnance manufacturing and metal plating at the site. In 1965, Maxon Electronics Company purchased the site property and continued ordnance manufacturing until it sold the property to Allied Chemical Corporation in 1973. It made seat belts at the site from 1973 until 1981. Improper handling, storage and disposal of explosive compounds, chemicals used during ordnance manufacturing and metal plating operations, and wastes resulted in contamination of ground water, surface water, soil and sediment.

Macon-Bibb County Industrial Authority has operated Allied Industrial Park on the site property since 1980. It leases or sells on-site buildings for commercial uses.



Detailed Task Description:

The contractor shall perform the following tasks:

1. Conduct a vapor intrusion study.
2. Conduct TAGA air monitoring for tetrachloroethene (PCE) and trichloroethene (TCE) in all accessible rooms in the basement and on the ground floor of designated structures.
3. Photo-documentation of the structures will be performed where permitted.
4. Install subslab ports where appropriate and authorized.
5. Collect Tedlar bag samples from sub-slab ports and analyze the same for PCE and its breakdown products (TCE, 1,1-dichloroethene (1,1-DCE), cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-dichloroethene (trans-1,2-DCE), vinyl chloride (VCI). All compounds in the standard cylinder will be

properly calibrated in the event that other chlorinated compounds are determined to be present. 200 Tedlar bags shall be provided – a maximum of 50 subslab samples will be collected.

6. Mobile monitoring of the area may be conducted.
7. Tedlar bag samples of the indoor or outdoor ambient air may be collected and analyzed for the target compounds stated above.

Required Reports:

1. In conformance with the requirements of the SERAS contract, all environmental sampling and monitoring performed under this task shall be provided in an electronic data deliverable (EDD) form compatible with Scribe. The Scribe project data file shall be a mandatory deliverable.
2. In conformance with the requirements of the SERAS contract, all deliverables and other relevant project information shall be submitted in electronic format to the appropriate ERT-IMS website. Submission of deliverables to the appropriate ERT-IMS website shall be considered delivery to the WAM as of the date and time such deliverables are received on the website.
3. Provide: UFP QAPP
4. Draft results for the TAGA monitoring and the GC/MS analysis will be provided immediately after the monitoring or analysis is performed.
5. Draft GC/MS report shall be due 4 weeks after the demobilization of the TAGA laboratory.
6. Draft MS/MS report shall be due 4 weeks after the demobilization of the TAGA laboratory.
7. Final Trip Report with GC/MS and MS/MS results shall be due 2 weeks after draft GC/MS and MS/MS reports.

Schedule:

The field work will commence on 25 August 2015

23 -24 August 2015 – Mobilize TAGA mobile laboratory to Macon, GA from RTP on Sunday, NC and instrument set up and check out on Monday

25 August 2015 – Commence performing field operations

31 August 2015 – Conclude performing field operations

01 September 2015 – Demobilize TAGA mobile laboratory from Macon, GA to RTP.

Period of Performance:

Effective Date of Approval through:

9/22/15

EPAUnited States Environmental Protection Agency
Washington, DC 20460**Work Assignment**

Work Assignment Number

0-280

☐

Other

☐

Amendment Number:

Contract Number

EP-W-09-031

Contract Period 09/23/2009 To 09/22/2015

Base

Option Period Number 2

Title of Work Assignment/SF Site Name

Macon Naval Ordnance

Contractor

Lockheed Martin Services, Inc.

Specify Section and paragraph of Contract SOW

II, A,B,D, E

Purpose:

☒

Work Assignment

☐

Work Assignment Close-Out

☐

Work Assignment Amendment

☐

Incremental Funding

☐

Work Plan Approval

Period of Performance

From 08/12/2015 To 09/22/2015

Comments:

The purpose of this action is to initiate WA 0-280, entitled Macon Naval Ordnance, with 246 LOE hours to begin work. The contractor shall prepare a work plan and cost estimate in accordance with the contract terms. All other terms and conditions remain unchanged.

☒

Superfund

Accounting and Appropriations Data

☐

Non-Superfund

Note: To report additional accounting and appropriations data use EPA Form 1900-69A.

SFO
(Max 2)☐

Line	DCN (Max 6)	Budget/FY (Max 4)	Appropriation Code (Max 6)	Budget Org/Code (Max 7)	Program Element (Max 9)	Object Class (Max 4)	Amount (Dollars)	(Cents)	Site/Project (Max 8)	Cost Org/Code (Max 7)
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Authorized Work Assignment Ceiling

Contract Period:

Cost/Fee:

LOE: 0

09/23/2009 To 09/22/2015

This Action:

246

Total:

246

Work Plan / Cost Estimate Approvals

Contractor W/P Dated:

Cost/Fee:

LOE:

Cumulative Approved:

Cost/Fee:

LOE:

Work Assignment Manager Name Sella Burchette

Branch/Mail Code:

Phone Number 732-321-6726

FAX Number:

(Signature)

(Date)

Project Officer Name Sella Burchette

Branch/Mail Code:

Phone Number: 732-321-6726

FAX Number:

(Signature)

(Date)

Other Agency Official Name

Branch/Mail Code:

Phone Number:

FAX Number:

(Signature)

(Date)

Contracting Official Name Claudia Armstrong

Branch/Mail Code:

Phone Number: 202-564-6679

FAX Number: 202-565-2557

(Signature)

(Date)

United States Environmental Protection Agency Washington, DC 20460 Work Assignment				Work Assignment Number SERAS-000 0-281																																																									
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Contract Number EP-W-09-031		Contract Period Base Award Term 2: X		Title of Work Assignment Li - Tungsten																																																									
Contractor: Lockheed Martin, Inc.			Specify Section and Paragraph of Contract SOW II, A, 4, d																																																										
Purpose: <input checked="" type="checkbox"/> Work Assignment Initiation <input type="checkbox"/> Work Assignment Amendment <input type="checkbox"/> Work Plan Approval		<input type="checkbox"/> Work Assignment Close-Out <input type="checkbox"/> Incremental Funding <input type="checkbox"/> TCE update/approval		Periods of Performance: From: Effective Date of Approval To: 9/22/2015																																																									
Comments: New WA: Soil sampling for lead, arsenic, radium & Thorium.																																																													
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Previously Approved		—		0																																																									
This Action		—		104																																																									
Total		—		104																																																									
Work Plan / Cost Estimate Approvals																																																													
Contractor WP Dated:		Cost/Fee:		LOE:																																																									
Cumulative Approved:		Cost/Fee: —		LOE: 104																																																									
Work Assignment Manager Name: Tom Kedy				Branch/Mail Code MS-101																																																									
(Signature) SUB (Date) 8/6/15				Phone Number 732-321-6740																																																									
				Fax Number 732-321-6724																																																									
Project Officer Name: Sella M. Burchette				Branch/Mail Code MS-101																																																									
(Signature) [Signature] (Date) 8/6/15				Phone Number 732-321-6726																																																									
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Other Agency Official Name:				Branch/Mail Code																																																									
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Contracting Official Name: Claudia M. Armstrong				Branch/Mail Code 3805R																																																									
(Signature) [Signature] (Date) 8/5/15				Phone Number 202-564-6679																																																									
				Fax Number 202-565-2557																																																									
Contractor Acknowledgment of Receipt and Approval of Workplan (Signature and Title)					Date: 8/13/15																																																								

Work Assignment Detailed Performance Work Statement

Work Assignment Title: Li Tungsten Soil and Groundwater Screening – Glen Cove, NY

Purpose:

Collect soil and groundwater information to: 1) determine potential impact to groundwater from remaining contaminants in soils in both the vadose zone and upper saturated zone; 2) describe the heterogeneity of soils and contaminant forms to explain variability previous random sampling events; and 3) to determine if remediation of previously exempt areas may be required. The contaminants of concern are Lead, Arsenic, Radium and Thorium. The QAPP/Sampling Plan should be designed with the above items as the primary Data Quality Objectives.

Background:

SERAS has extensive work experience at this site. See documents from 1994 to 1999 under Contract 68-C4-0022, Work Assignment WA-358. *Despite this being an Air Assignment, background materials should apply -*

Detailed Task Description:

The contractor shall perform the following tasks:

Given the rapid nature of this request by Region II, the project will be a coordinated effort with SERAS, Region II RST, and EPA (ERT & Region II). Work breakdown is as follows:

1. SERAS shall prepare the QAPP/Sampling Plan addressing the DQOs above by August 11. The QAPP will require input/approval by EPA Region II. SERAS shall prepare a QAPP in preparation for drilling. SERAS will place a One-Call public mark-out request by Wednesday, August 12 so that public utilities are marked out by Monday, August 17.
2. The week of August 17, SERAS shall perform or subcontract a private utility mark-out for both Lower Parcel C and 1 Garvies Point Road. The utility mark-out must include the storm pipe that runs along the property line dividing the two properties. The mark-out services shall also include a video survey of the storm pipe and any feeder lines on the properties that connect to this storm pipe.
3. The week of August 24, SERAS will collect soil borings at approximately 20 locations (total) on Lower Parcel C of the Li Tungsten Site and the adjacent privately-owned property at 1 Garvies Point Road. Anticipated depth of borings is 20 – 25 feet below ground surface. The intent is to get at least 6 feet into the water table.
4. Region II RST will screen the soil cores for radiological contamination (Radium and Thorium) using a scintillation probe.
5. Region II RST will then log the soil borings geologically.
6. SERAS will then screen the soils for Pb and As using a field-portable XRF device.
7. EPA, SERAS and RST will then collectively determine representative sample locations from each core for laboratory analysis for Pb, As, Ra and Th.
8. RST will be responsible for all sample and laboratory management, including containerizing samples, completing chains of custody, shipping and entry into SCRIBE.
9. SERAS will install up to 10 temporary wells for collection of ground water samples.
10. RST will be responsible for all sample and laboratory management, including collecting and containerizing samples, completing chains of custody, shipping and entry into SCRIBE.
11. RST will GPS and survey all sample locations.
12. RST will provide daily documentation of all field activities and prepare a final trip report.

Required Reports:

1. In conformance with the requirements of the SERAS contract, all environmental sampling and monitoring performed under this task shall be provided in an electronic data deliverable (EDD) form compatible with Scribe. The Scribe project data file shall be a mandatory deliverable.
2. In conformance with the requirements of the SERAS contract, all deliverables and other relevant project information shall be submitted in electronic format to the appropriate ERT-IMS website. Submission of deliverables to the appropriate ERT-IMS website shall be considered delivery to the WAM as of the date and time such deliverables are received on the website.
3. Provide: UFP QAPP

Schedule:

Included in work scope above.

Period of Performance:

Effective Date of Approval through:

9/22/15

EPA United States Environmental Protection Agency Washington, DC 20460 Work Assignment		Work Assignment Number 0-281								
		<input type="checkbox"/> Other <input type="checkbox"/> Amendment Number								
Contract Number EP-W-09-031	Contract Period 09/23/2009 To 09/22/2015 Base Option Period Number 2	Title of Work Assignment/SF Site Name Li-Tungsten								
Contractor Lockheed Martin Services, Inc.		Specify Section and paragraph of Contract SOW II, A, 4, d								
Purpose <input checked="" type="checkbox"/> Work Assignment <input type="checkbox"/> Work Assignment Close-Out <input type="checkbox"/> Work Assignment Amendment <input type="checkbox"/> Incremental Funding <input type="checkbox"/> Work Plan Approval		Period of Performance From 08/05/2015 To 09/22/2015								
Comments The purpose of this action is to initiate WA 0-281, entitled Li-Tungsten, with 104 LOE hours to begin work. The contractor shall prepare a work plan and cost estimate in accordance with the contract terms. All other terms and conditions remain unchanged.										
<input checked="" type="checkbox"/> Superfund Accounting and Appropriations Data <input type="checkbox"/> Non-Superfund										
Note: To report additional accounting and appropriations data use EPA Form 1900-69A										
SFO (Max 2) <input type="checkbox"/>										
Line	DCN (Max 6)	Budget/FY (Max 4)	Appropriation Code (Max 6)	Budget Org/Code (Max 7)	Program Element (Max 9)	Object Class (Max 4)	Amount (Dollars)	(Cents)	Site/Project (Max 8)	Cost Org/Code (Max 7)
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Authorized Work Assignment Ceiling										
Contract Period		Cost/Fee		LOE						
09/23/2009 To 09/22/2015				0						
This Action:				104						
Total:				104						
Work Plan / Cost Estimate Approvals										
Contractor WP Dated:		Cost/Fee		LOE						
Cumulative Approved:		Cost/Fee		LOE						
Work Assignment Manager Name Sella Burchette								Branch/Mail Code:		
_____ (Signature)								_____ (Date)		
								Phone Number 732-321-6726		
								FAX Number:		
Project Officer Name Sella Burchette								Branch/Mail Code:		
_____ (Signature)								_____ (Date)		
								Phone Number 732-321-6726		
								FAX Number:		
Other Agency Official Name								Branch/Mail Code:		
_____ (Signature)								_____ (Date)		
								Phone Number:		
								FAX Number:		
Contracting Officer Name Claudia Armstrong								Branch/Mail Code:		
_____ (Signature)								8/5/15 (Date)		
								Phone Number 202-564-6679		
								FAX Number 202-565-2557		

United States Environmental Protection Agency Washington, DC 20460 Work Assignment						Work Assignment Number SERAS-000 0 - 282																																																															
						<input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment Number:																																																															
Contract Number EP-W-09-031			Contract Period Base Award Term 2: X			Title of Work Assignment Papal Visit Support																																																															
Contractor: Lockheed Martin, Inc.						Specify Section and Paragraph of Contract SOW II, B ...																																																															
Purpose: <input checked="" type="checkbox"/> Work Assignment Initiation <input type="checkbox"/> Work Assignment Amendment <input type="checkbox"/> Work Plan Approval						<input type="checkbox"/> Work Assignment Close-Out <input type="checkbox"/> Incremental Funding <input type="checkbox"/> TCE update/approval		Periods of Performance: From: Effective Date of Approval To: 9/22/2015																																																													
Comments: New WA: Monitoring support for the Papal visit to Phillie																																																																					
LOE:																																																																					
<input checked="" type="checkbox"/> Superfund <input type="checkbox"/> Oil <input checked="" type="checkbox"/> Homeland Security <input type="checkbox"/> Non-Superfund																																																																					
Accounting and Appropriations Data																																																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Line</th> <th>DC (Max 6)</th> <th>Budget/FYs (Max 4)</th> <th>Appropriations Code (Max 6)</th> <th>Budget Org/Code (Max 7)</th> <th>Program Element (Max 9)</th> <th>Object Class</th> <th>Amount</th> <th>Site/Project (Max 6)</th> <th>Cost Org/Code (Max 7)</th> </tr> </thead> <tbody> <tr><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>2</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>										Line	DC (Max 6)	Budget/FYs (Max 4)	Appropriations Code (Max 6)	Budget Org/Code (Max 7)	Program Element (Max 9)	Object Class	Amount	Site/Project (Max 6)	Cost Org/Code (Max 7)	1										2										3										4										5									
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Contractor WP Dated:					Cost/Fee:		LOE:																																																														
Cumulative Approved:					Cost/Fee:		LOE: 421																																																														
Work Assignment Manager Name: Mike Hopper						Branch/Mail Code MS-101																																																															
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Project Officer Name: Sella M. Burchette						Branch/Mail Code MS-101																																																															
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Other Agency Official Name:						Branch/Mail Code																																																															
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Contracting Official Name: Claudia M. Armstrong						Branch/Mail Code 3805R																																																															
(Signature)						8/14/15																																																															
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Contractor Acknowledgement of Receipt and Approval of Workplan (Signature and Title)						Date: 8/14/15																																																															

Work Assignment Detailed Performance Work Statement

Work Assignment Title: Papal Visit NSSE Support

Purpose:

Support Region 3 by providing air monitoring, VIPER integration and TAGA backup support during the Papal Visit to the region.

Background:

Region 3 will be hosting the Papal Visit in September 2015 in three major cities throughout the region. ERT and SERAS will be supporting the pre-deployment efforts for the Philadelphia visit by providing air monitoring and VIPER support. Backup TAGA support for both the Philadelphia and Washington, D.C. will also be provided. At the request of the lead Region 3 OSC, ERT and SERAS will be supporting the Region at planning meetings and during the pre-deployment activities in Philadelphia. The Papal Visit has been identified as a Nation_{al} Special Security Event (NSSE).

Detailed Task Description:

The contractor shall perform the following tasks:

1. Provide technical assistance to Region 3 during planning meetings, scoping meetings and conference calls
2. Conduct site visit(s) with Region 3 (OSC), as needed to determine monitoring locations and attend meetings
3. Provide air monitoring stations (minimum of 12) to include AreaRAEs and SPM Flex units, equipped with appropriate VIPER telemetry
4. VIPER run support (including VM integration, system support, data management)
5. Provide protective enclosures for deployed equipment
6. TAGA pre-positioned in Edison with reach-back capabilities from 9/21-9/27, prepare TAGA for rapid characterization of safe areas in an escalating incident (2-hour reach back to Philadelphia/ 4-hour to Washington, DC)
7. Perform data management during event prepare for near real-time updates to WAM/OSC in All-Hazards Center
8. Perform VIPER system and air monitoring equipment maintenance, as-needed.
9. Prepare summary tables to assist in review/evaluation of monitoring results (if event escalates)
10. Document site activities/prepare Trip report to summarize site activities, including site map of sample locations, summary tables (tables required only if event escalates otherwise general discussion of max readings/issues/anomalies can be reported in text form). TAGA general summary can be included in same deliverable if event does not escalate and TAGA is not deployed.
11. Air monitoring support from 9/22-9/27 is anticipated. Three overnight shifts must be supported in Philadelphia from 9/24 (Thursday PM) to 9/27 (Sunday AM).
12. All air monitoring equipment, enclosures and consumables must be available and tested successfully prior to 9/22.

Required Reports:

1. In conformance with the requirements of the SERAS contract, all environmental sampling and monitoring performed under this task shall be provided in an electronic data deliverable (EDD) form compatible with Scribe. The Scribe project data file shall be a mandatory deliverable.
2. In conformance with the requirements of the SERAS contract, all deliverables and other relevant project information shall be submitted in electronic format to the appropriate ERT-IMS website. Submission of

deliverables to the appropriate ERT-IMS website shall be considered delivery to the WAM as of the date and time such deliverables are received on the website.

3. Provide: UFP QAPP, Trip Report.

Schedule:

1. Scoping meeting upon acceptance of WA to discuss the project needs.
2. TAGA Monitoring: Monday, September 21 through 27, 2015 TAGA staged in Edison.
3. Air Monitoring (Philadelphia): Tuesday, September 22 through Sunday, September 27. Retrieve equipment on Monday, September 28, 2015.
4. Trip Report due 2-weeks after Site work is completed.

Period of Performance:

Effective Date of Approval through:

9/22/15 - until FOD issued ...

EPA United States Environmental Protection Agency Washington, DC 20460 Work Assignment		Work Assignment Number 0-282 <input type="checkbox"/> Other <input type="checkbox"/> Amendment Number
Contract Number EP-W-09-031	Contract Period 09/23/2009 To 09/22/2015 Base Option Period Number 2	Title of Work Assignment/SF Site Name Papal Visit Support
Contractor Lockheed Martin Services, Inc.		Specify Section and paragraph of Contract SOW II, E
Purpose <input checked="" type="checkbox"/> Work Assignment <input type="checkbox"/> Work Assignment Close-Out <input type="checkbox"/> Work Assignment Amendment <input type="checkbox"/> Incremental Funding <input type="checkbox"/> Work Plan Approval		Period of Performance From 08/14/2015 To 09/22/2015
Comments The purpose of this action is to initiate WA 0-282, entitled Papal Visit Support, with 421 LOE hours to begin work. The contractor shall prepare a work plan and cost estimate in accordance with the contract terms. All other terms and conditions remain unchanged.		
<input checked="" type="checkbox"/> Superfund Accounting and Appropriations Data <input type="checkbox"/> Non-Superfund		
Note: To report additional accounting and appropriations data use EPA Form 1900-69A.		
SFQ (Max 2) <input type="checkbox"/>		
Line	DCN (Max 6) Budget/FY (Max 4) Appropriation Code (Max 6) Budget Org/Code (Max 7) Program Element (Max 9) Object Class (Max 4)	Amount (Dollars) (Cents) Site/Project (Max 6) Cost Org/Code (Max 7)
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Authorized Work Assignment Ceiling		
Contract Period 09/23/2009 To 09/22/2015 Cost/Fee		LOE 0
This Action		421
Total		421
Work Plan / Cost Estimate Approvals		
Contractor WP Dated Cost/Fee LOE		
Cumulative Approved Cost/Fee LOE		
Work Assignment Manager Name Michael Hoppe _____ (Signature) (Date)		Branch/Mail Code Phone Number 732-906-6908 FAX Number
Project Officer Name Sella Burchette _____ (Signature) (Date)		Branch/Mail Code Phone Number 732-321-6726 FAX Number
Other Agency Official Name _____ (Signature) (Date)		Branch/Mail Code Phone Number FAX Number
Contracting Official Name Claudia Armstrong _____ (Signature) 8/14/15 (Date)		Branch/Mail Code 3806A Phone Number 202-564-6679 FAX Number 202-565-2557

United States Environmental Protection Agency Washington, DC 20460 Work Assignment				Work Assignment Number SERAS-000 0-283																																																													
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Contract Number EP-W-09-031		Contract Period Base Award Term 2: X		Title of Work Assignment Trex Properties Site																																																													
Contractor: Lockheed Martin, Inc.			Specify Section and Paragraph of Contract SOW Paragraphs A.1.a,c,d,e,f,g,h B.a,b,c,d,e,f,g,h,i,j,k C.b,c,d,e,f,g,h,i,j,k,l D.1.a,b,c,d,e 2.a,b,c,d,e																																																														
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Comments: David Mickunas LOE: New WA - Time critical air sampling & vapor intrusion sampling																																																																	
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Work Plan / Cost Estimate Approvals																																																																	
Contractor WP Dated:			Cost/Fee:		LOE:																																																												
Cumulative Approved:			Cost/Fee:		LOE: 136																																																												
Work Assignment Manager Name: David Mickunas				Branch/Mail Code E343-04																																																													
(Signature) SUB				Phone Number 919-541-4191																																																													
(Date) 8/14/15				Fax Number																																																													
Project Officer Name: Sella M. Burchette				Branch/Mail Code MS-101																																																													
(Signature) Sella M. Burchette				Phone Number 732-321-6726																																																													
(Date) 8/14/15				Fax Number 732-321-6724																																																													
Other Agency Official Name:				Branch/Mail Code																																																													
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Contracting Official Name: Claudia M. Armstrong				Branch/Mail Code 3805R																																																													
(Signature) Claudia M. Armstrong				Phone Number 202-564-6679																																																													
(Date) 8/14/15				Fax Number 202-565-2557																																																													
Contractor Acknowledgment of Receipt and Approval of Workplan (Signature and Title)					Date: 8/14/15																																																												

McCall

Work Assignment Detailed Performance Work Statement

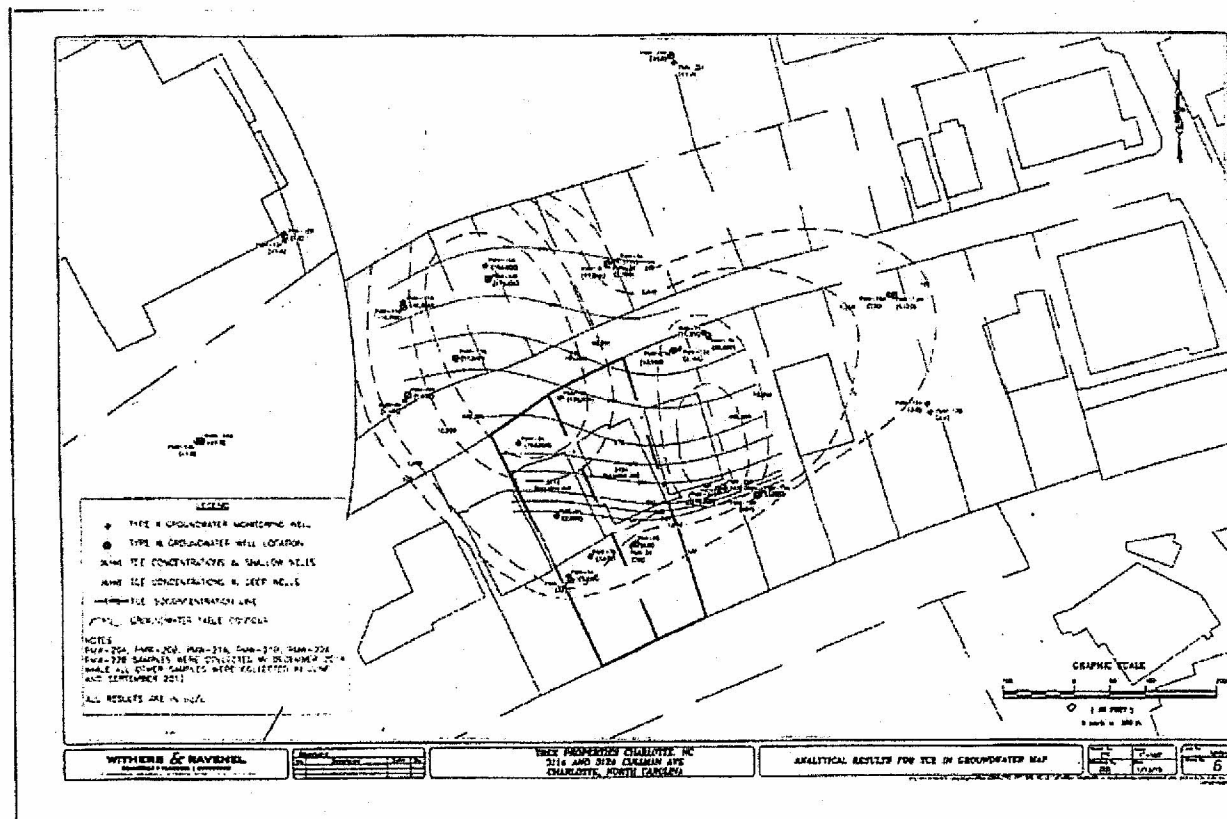
Work Assignment Title: Trex Properties Site

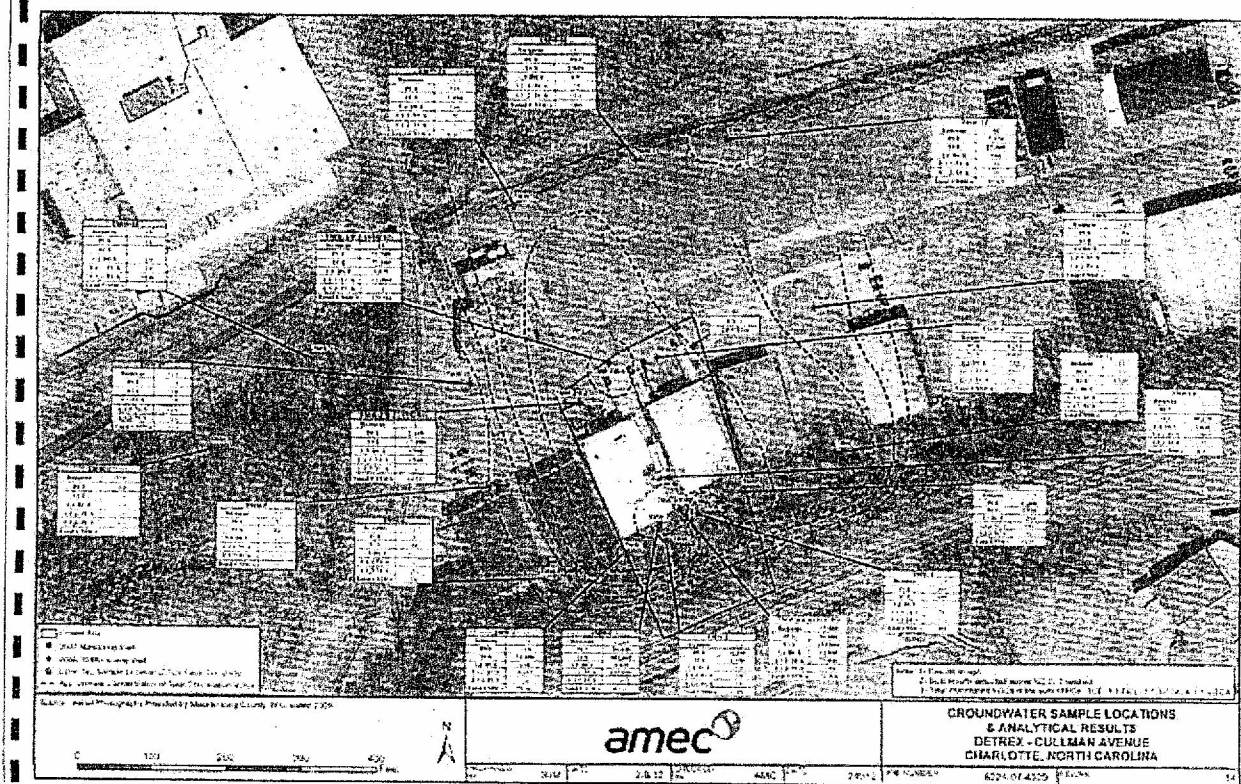
Purpose:

The purpose of this work assignment is to provide support to Region 4 as they conduct an emergency removal site evaluation at the Trex Properties Site (Site) in Charlotte, NC. Sufficient data will be obtained from a representative number of samples to support defensible decisions by the EPA and to determine what further actions at the site are necessary. The purpose of site activities is to characterize the presence of VOC contamination (primarily TCE) below and in buildings on and adjacent to the Site and to assist in the determination if vapor intrusion may be occurring.

Background:

The Trex Properties Site is located at 3114 and 3124 Cullman Avenue in Charlotte, NC. A church property is located adjacent to the east of the Site. The lot farther to the east is vacant. The lots located hydraulically downgradient across the street to the north are vacant. The building to the west of the Site has a business. All buildings are slab-on-grade. Lots with buildings are paved except for the southern parts in the back. The first figure below illustrates the analytical results for the groundwater TCE concentrations. The second figure below shows the analytical results for the groundwater chlorinated compound concentrations.





Detailed Task Description:

The contractor shall perform the following tasks:

1. Monday, 8/17/2015, mobilize driver to RTP, NC and ready the TAGA mobile laboratory for deployment to the Trex Properties Site in Charlotte, NC.
2. Tuesday, 8/18/2015, mobilize personnel and material to the Site and install sub-slab probes for soil gas sampling and analysis, remove potentially interferences (if possible) and documenting the buildings' configurations.
3. Wednesday, 8/19/2015, mobilize the TAGA mobile laboratory to monitor for tetrachloroethene and trichloroethene using the mass spectrometer/mass spectrometer (MS/MS), collect and analyze sub-slab soil gas Tedlar bag samples for tetrachloroethene and its breakdown products using the gas chromatograph/mass spectrometer (GC/MS), and collect indoor air and ambient air in Summa canisters for analysis of the tetrachloroethene and its breakdown products by a fixed laboratory using US EPA method TO-15. The length of the sample collection for the Summa canisters is to be determined.
4. Wednesday, 8/19/2015 or Thursday, 8/20/2015, (depending on time) demobilize the TAGA mobile laboratory and return same to RTP, NC.
5. Deliver approximately 6 Summa canisters and constant flow rate 24-hour orifices, which have been certified clean below the 20 pptv required reporting limit, to RTP, NC on Monday, 8/17/2015. The Summa canisters and orifices shall be obtained from a source that has a demonstrated and consistent capability to provide clean and certify Summa canisters and orifices, as well as, perform the analysis to a minimum reporting level of 20 pptv for TO-15 target compounds. The following are the target compounds of concern for this assignment:
 - Tetrachloroethene [PCE],
 - Trichloroethene [TCE],
 - cis-1,2-Dichloroethene [cis-1,2-DCE],
 - trans-1,2-Dichloroethene [trans-1,2-DCE],
 - 1,1-Dichloroethene [1,1-DCE], and
 - Vinyl Chloride [VCL].
6. Perform analysis of approximately 20 soil gas Tedlar bag samples for PCE and its breakdown products using the TAGA mobile laboratory loop-injection introduction method on the GC/MS system following the SOP.
7. Perform monitoring of possible 6 buildings and outdoor air for PCE and TCE using the TAGA mobile laboratory MS/MS system following the SOP.

8. Data management will be performed in the field for the Tedlar bag analysis and the Summa canister collection using the SCRIBE program to log the samples and report the results as well as typical tables.
9. Data reduction will be performed in the office for the TAGA monitoring.
10. Data reduction for the Summa canisters will be performed in the office.
11. SERAS will provide the materials to install sub-slab probes.
12. SERAS will provide the Tedlar bags.
13. SERAS will acquire the Summa canisters and lab capacity.
14. Meteorological data will also be collected throughout the event. Weather data is to be provided by the meteorological stations in the area adjacent to the sampling/monitoring.

Required Reports:

1. In conformance with the requirements of the SERAS contract, all environmental sampling and monitoring performed under this task shall be provided in an electronic data deliverable (EDD) form compatible with Scribe. The Scribe project data file shall be a mandatory deliverable.
2. In conformance with the requirements of the SERAS contract, all deliverables and other relevant project information shall be submitted in electronic format to the appropriate ERT-IMS website. Submission of deliverables to the appropriate ERT-IMS website shall be considered delivery to the WAM as of the date and time such deliverables are received on the website.
3. Provide: UFP QAPP
4. The Draft Analytical Report for the Summa canister results will be due within 5 days upon receipt at the laboratory. The Final Analytical Report, which has passed through the QA and report writing group, for the Summa canister results will be due 1 week after final results are received from the laboratory.
5. The draft loop-injection GC/MS analytical results for the Tedlar bag samples will be due immediately after analysis. The Final Analytical Report will be due 2 week after demobilization.
6. The draft TAGA MS/MS analytical results for the monitoring will be due immediately after the building's monitoring. The Final TAGA analytical report will be due 2 week after demobilization.
7. The Final Trip Report with the Summa canister results, Tedlar bag results, TAGA monitoring results, and meteorological data will be due 2 week after the Final TAGA Analytical Report.

Schedule:

Effective date of approval to 09/22/2015.

Period of Performance:

Effective Date of Approval through: 9/22/15.

EPA United States Environmental Protection Agency Washington, DC 20460 Work Assignment		Work Assignment Number 0-283 <input type="checkbox"/> Other <input type="checkbox"/> Amendment Number:								
Contract Number EP-W-09-031		Contract Period 09/23/2009 To 09/22/2015 Title of Work Assignment/SF Site Name Trex Properties Site								
Contractor Lockheed Martin Services, Inc.		Specify Section and paragraph of Contract SOW								
Purpose: <input checked="" type="checkbox"/> Work Assignment <input type="checkbox"/> Work Assignment Close-Out <input type="checkbox"/> Work Assignment Amendment <input type="checkbox"/> Incremental Funding <input type="checkbox"/> Work Plan Approval		Period of Performance From 08/14/2015 To 09/22/2015								
Comments: The purpose of this action is to initiate WA 0-283, entitled Trex Properties Site, with 136 LOE hours to begin work. The contractor shall prepare a work plan and cost estimate in accordance with the contract terms. All other terms and conditions remain unchanged.										
<input checked="" type="checkbox"/> Superfund		Accounting and Appropriations Data								
SFO (Max 2) <input type="checkbox"/>		Note: To report additional accounting and appropriations data use EPA Form 1900-69A.								
Line	DCN (Max 6)	Budget/FY (Max 4)	Appropriation Code (Max 6)	Budget Org/Code (Max 7)	Program Element (Max 9)	Object Class (Max 4)	Amount (Dollars)	(Cents)	Site/Project (Max 8)	Cost Org/Code (Max 7)
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Authorized Work Assignment Ceiling										
Contract Period:		Cost/Fee:				LOE: 0				
09/23/2009 To 09/22/2015										
This Action:						136				
Total:						136				
Work Plan / Cost Estimate Approvals										
Contractor WP Dated:		Cost/Fee:				LOE:				
Cumulative Approved:		Cost/Fee:				LOE 136				
Work Assignment Manager Name Dave Mickunas						Branch/Mail Code:				
_____ (Signature) _____ (Date)						Phone Number 919-541-4191				
						FAX Number:				
Project Officer Name Sella Burchette						Branch/Mail Code:				
_____ (Signature) _____ (Date)						Phone Number: 732-321-6726				
						FAX Number:				
Other Agency Official Name						Branch/Mail Code:				
_____ (Signature) _____ (Date)						Phone Number:				
						FAX Number:				
Contracting Officer Name Claudia Armstrong						Branch/Mail Code: 3806k				
_____ (Signature) _____ (Date) 8/14/15						Phone Number: 202-564-6679				
						FAX Number: 202-565-2557				

United States Environmental Protection Agency Washington, DC 20460 Work Assignment				Work Assignment Number SERAS-000 0-284																																																									
				<input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment Number:																																																									
Contract Number EP-W-09-031		Contract Period Base Award Term 2: X		Title of Work Assignment Gold King Mine ER																																																									
Contractor: Lockheed Martin, Inc.			Specify Section and Paragraph of Contract SOW II, A, 2, n.; 4, d.																																																										
Purpose: <input checked="" type="checkbox"/> Work Assignment Initiation <input type="checkbox"/> Work Assignment Amendment <input type="checkbox"/> Work Plan Approval			<input type="checkbox"/> Work Assignment Close-Out <input type="checkbox"/> Incremental Funding <input type="checkbox"/> TCE update/approval		Periods of Performance: From: Effective Date of Approval To: 9/22/2015																																																								
Comments: New WA: LOE for Gold King Mine release sampling & ecological risk presentation compilation materials support. LOE:																																																													
<input type="checkbox"/> Superfund <input type="checkbox"/> Oil <input type="checkbox"/> Homeland Security <input type="checkbox"/> Non-Superfund																																																													
Accounting and Appropriations Data																																																													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>DC</th> <th>Budget/FYs</th> <th>Appropriations</th> <th>Budget Org/Code</th> <th>Program Element</th> <th>Object</th> <th>Site/Project</th> <th>Cost Org/Code</th> </tr> <tr> <th>Line (Max 6)</th> <th>(Max 4)</th> <th>Code (Max 6)</th> <th>(Max 7)</th> <th>(Max 9)</th> <th>Class Amount</th> <th>(Max 6)</th> <th>(Max 7)</th> </tr> </thead> <tbody> <tr><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>2</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>						DC	Budget/FYs	Appropriations	Budget Org/Code	Program Element	Object	Site/Project	Cost Org/Code	Line (Max 6)	(Max 4)	Code (Max 6)	(Max 7)	(Max 9)	Class Amount	(Max 6)	(Max 7)	1								2								3								4								5							
DC	Budget/FYs	Appropriations	Budget Org/Code	Program Element	Object	Site/Project	Cost Org/Code																																																						
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This Action					288																																																								
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Work Plan / Cost Estimate Approvals																																																													
Contractor WP Dated:			Cost/Fee:		LOE:																																																								
Cumulative Approved:			Cost/Fee:		LOE: 288																																																								
Work Assignment Manager Name: Powell / Newhart				Branch/Mail Code: MS-101																																																									
(Signature) SMB (Date) 8/19/15				Phone Number: 732-321-6740																																																									
				Fax Number: 732-321-6724																																																									
Project Officer Name: Sella M. Burchette				Branch/Mail Code: MS-101																																																									
(Signature) [Signature] (Date) 8/19/15				Phone Number: 732-321-6726																																																									
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Contracting Official Name: Claudia M. Armstrong				Branch/Mail Code: 3805R																																																									
(Signature) [Signature] (Date) 9/2/15				Phone Number: 202-564-6679																																																									
				Fax Number: 202-565-2557																																																									
Contractor Acknowledgement of Receipt and Approval of Workplan (Signature and Title)					Date: 9/3/15																																																								

Work Assignment Detailed Performance Work Statement

Work Assignment Title: Gold King Mine ER

Purpose:

The purpose of this WA is to provide sampling support to the Regions involved during the response to the release from the Gold King Mine.

Background:

See media coverage....EPA's activities related to investigating leaks from the mine resulted in a 3 million plus gallon release of mine waste water.

Detailed Task Description:

The contractor shall perform the following tasks:

1. Provide support for river and sediment sampling for metals as requested.
2. Provide support for private wells in the Animas River Valley and other locations as designated.
3. Provide support for the Ecological risk presentation materials.
4. *Any report requests will be forthcoming.*

Required Reports:

1. In conformance with the requirements of the SERAS contract, all environmental sampling and monitoring performed under this task shall be provided in an electronic data deliverable (EDD) form compatible with Scribe. The Scribe project data file shall be a mandatory deliverable.
2. In conformance with the requirements of the SERAS contract, all deliverables and other relevant project information shall be submitted in electronic format to the appropriate ERT-IMS website. Submission of deliverables to the appropriate ERT-IMS website shall be considered delivery to the WAM as of the date and time such deliverables are received on the website.
3. Provide: UFP QAPP

Schedule:

8/7/15 - 9/22/15

** Started under WAO-001 ER support
OMG*

Period of Performance:

Effective Date of Approval through:
9/22/15

EPA United States Environmental Protection Agency Washington, DC 20460 Work Assignment		Work Assignment Number 0-284								
		<input type="checkbox"/> Other <input type="checkbox"/> Amendment Number:								
Contract Number EP-W-09-031	Contract Period 09/23/2009 To 09/22/2015 Base Option Period Number 2	Title of Work Assignment/SF Site Name Gold King Mine ER								
Contractor Lockheed Martin Services, Inc.		Specify Section and paragraph of Contract SOW II, A, 2, n; 4.d								
Purpose: <input checked="" type="checkbox"/> Work Assignment <input type="checkbox"/> Work Assignment Close-Out <input type="checkbox"/> Work Assignment Amendment <input type="checkbox"/> Incremental Funding <input type="checkbox"/> Work Plan Approval		Period of Performance From 09/02/2015 To 09/22/2015								
Comments: The purpose of this action is to initiate WA 0-284, entitled Gold King Mine ER, with 288 LOE hours to begin work. The contractor shall prepare a work plan and cost estimate in accordance with the contract terms. All other terms and conditions remain unchanged.										
<input checked="" type="checkbox"/> Superfund Accounting and Appropriations Data <input type="checkbox"/> Non-Superfund										
SFO (Max 2) <input type="checkbox"/> Note: To report additional accounting and appropriations data use EPA Form 1900-69A.										
Line	DCN (Max 6)	Budget/FY (Max 4)	Appropriation Code (Max 6)	Budget Org/Code (Max 7)	Program Element (Max 9)	Object Class (Max 4)	Amount (Dollars)	(Cents)	Site/Project (Max 8)	Cost Org/Code (Max 7)
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4										
5										
Authorized Work Assignment Ceiling										
Contract Period:		Cost/Fee:		LOE: 0						
09/23/2009 To 09/22/2015										
This Action:				288						
Total:				288						
Work Plan / Cost Estimate Approvals										
Contractor WP Dated:		Cost/Fee:		LOE:						
Cumulative Approved:		Cost/Fee:		LOE: 288						
Work Assignment Manager Name Sella Burchette						Branch/Mail Code:				
_____ (Signature)						_____ (Date)				
						Phone Number 732-321-6726				
						FAX Number:				
Project Officer Name Sella Burchette						Branch/Mail Code:				
_____ (Signature)						_____ (Date)				
						Phone Number: 732-321-6726				
						FAX Number:				
Other Agency Official Name						Branch/Mail Code:				
_____ (Signature)						_____ (Date)				
						Phone Number:				
						FAX Number:				
Contracting Official Name Claudia Armstrong						Branch/Mail Code: 3805K				
_____ (Signature)						_____ (Date)				
						Phone Number: 202-564-6679				
						FAX Number: 202-565-2557				

Work Assignment Detailed Performance Work Statement

Work Assignment Title: Railroad TCE

Purpose:

Region 3 has asked ERT/SERAS to perform sampling for TCE in homes affected by the former Naval Air Warfare Center and other industry in the area.

Background:

During an investigation in September 2014 for PFOS and PFOA in private wells near the former Naval Air Warfare Center, a well was found to contain 9.4 ug/l of tetrachloroethylene (PCE). This level exceeds the MCL of 5 ug/l. The source of the PCE has not been identified and further assessment will be performed to determine if additional wells are threatened (most homes in the area receive public water). These homes are all along Creek Road and most have well water. The idea of this sampling is to prove pathway of contamination from TCE volatilizing out of the water.

Detailed Task Description:

The contractor shall perform the following tasks:

1. Perform Air Sampling in up to 8 homes along Creek Road in Warwick, PA – all samples to be run by SERAS Air Lab for TO-15 (TCE).
 - a. Tedlar Grab Samples before and after shower is used. These samples will have to be ran back to SERAS Laboratory for analysis within 24 hours.
 - b. 1 Hr Summa Samples during time frame that shower is being used
 - i. Additional 1 Hr Summa Samples can be taken while other functions are being performed (i.e. dishwasher, faucet at sink, etc.).
 - c. 24 Hr Summa Samples in the main area of the house while other samples are being taken
 - d. 24 Hr Ambient Air Monitoring outside the home (not outside each home, only a few ambient needed for area).
2. Take water samples to be analyzed for temperature, humidity, water nozzle size and other parameters as determined by the OSC/WAM.
3. Provide a detailed Sampling Plan for the tasks outlined in Task #1 for Region 3 and PADEP review.
4. Have SERAS Laboratory Personnel perform data validation, provide trip report and have final data in a timely manner for Region 3 and PADEP review.

Required Reports:

1. In conformance with the requirements of the SERAS contract, all environmental sampling and monitoring performed under this task shall be provided in an electronic data deliverable (EDD) form compatible with Scribe. The Scribe project data file shall be a mandatory deliverable.
2. In conformance with the requirements of the SERAS contract, all deliverables and other relevant project information shall be submitted in electronic format to the appropriate ERT-IMS website. Submission of deliverables to the appropriate ERT-IMS website shall be considered delivery to the WAM as of the date and time such deliverables are received on the website.
3. Provide: UFP QAPP

Schedule:

2 People, early September-October. Site visit to be conducted week of August 17th.

Period of Performance:

Effective Date of Approval through:
9/22/15

EPAUnited States Environmental Protection Agency
Washington, DC 20460**Work Assignment**

Work Assignment Number

0-285

☐ Other ☐ Amendment Number:

Contract Number

EP-W-09-031

Contract Period 09/23/2009 To 09/22/2015

Base

Option Period Number 2

Title of Work Assignment/SF Site Name

Railroad TCE

Contractor

Lockheed Martin Services, Inc.

Specify Section and paragraph of Contract SOW

II, B, h

Purpose:



Work Assignment



Work Assignment Close-Out



Work Assignment Amendment



Incremental Funding



Work Plan Approval

Period of Performance

From 09/02/2015 To 09/22/2015

Comments:

The purpose of this action is to initiate WA 0-285, entitled Railroad TCE, with 72 LOE hours to begin work. The contractor shall prepare a work plan and cost estimate in accordance with the contract terms. All other terms and conditions remain unchanged.

☒ Superfund

Accounting and Appropriations Data

☐ Non-Superfund

Note: To report additional accounting and appropriations data use EPA Form 1900-69A.

SFO
(Max 2)

Line	DCN (Max 6)	Budget/FY (Max 4)	Appropriation Code (Max 6)	Budget Org/Code (Max 7)	Program Element (Max 9)	Object Class (Max 4)	Amount (Dollars)	(Cents)	Site/Project (Max 8)	Cost Org/Code (Max 7)
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Authorized Work Assignment Ceiling

Contract Period:

Cost/Fee:

LOE: 0

09/23/2009 To 09/22/2015

This Action:

72

Total:

72

Work Plan / Cost Estimate Approvals

Contractor WP Dated:

Cost/Fee:

LOE:

Cumulative Approved:

Cost/Fee:

LOE: 72

Work Assignment Manager Name Sella Burchette

Branch/Mail Code:

Phone Number 732-321-6726

FAX Number:

(Signature)

(Date)

Project Officer Name Sella Burchette

Branch/Mail Code:

Phone Number: 732-321-6726

FAX Number:

(Signature)

(Date)

Other Agency Official Name

Branch/Mail Code:

Phone Number:

FAX Number:

(Signature)

(Date)

Contracting Official Name Claudia Armstrong

Branch/Mail Code: 3505K

Phone Number: 202-564-6679

FAX Number: 202-565-2557

(Signature)

(Date) 9/2/15

United States Environmental Protection Agency Washington, DC 20460 Work Assignment				Work Assignment Number SERAS-000 0-286																																																									
				<input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment Number:																																																									
Contract Number EP-W-09-031		Contract Period Base Award Term 2: X		Title of Work Assignment Catchment Modeling																																																									
Contractor: Lockheed Martin, Inc.			Specify Section and Paragraph of Contract SOW II. A. 4.1																																																										
Purpose: <input checked="" type="checkbox"/> Work Assignment Initiation <input type="checkbox"/> Work Assignment Amendment <input type="checkbox"/> Work Plan Approval		<input type="checkbox"/> Work Assignment Close-Out <input type="checkbox"/> Incremental Funding <input type="checkbox"/> TCE update/approval		Periods of Performance: From: Effective Date of Approval To: 9/22/2016																																																									
Comments: New WA: Produce Catchment Water Flow Models. LOE:																																																													
<input type="checkbox"/> Superfund <input type="checkbox"/> Oil <input type="checkbox"/> Homeland Security <input type="checkbox"/> Non-Superfund																																																													
Accounting and Appropriations Data																																																													
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Contractor WP Dated:		Cost/Fee:		LOE:																																																									
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Work Assignment Manager Name: Don Bussey				Branch/Mail Code MS-101																																																									
(Signature) <i>[Signature]</i>				Phone Number 732-321-6740																																																									
(Date) 9/18/15				Fax Number 732-321-6724																																																									
Project Officer Name: Sella M. Burchette				Branch/Mail Code MS-101																																																									
(Signature) <i>[Signature]</i>				Phone Number 732-321-6726																																																									
(Date) 9/18/15				Fax Number 732-321-6724																																																									
Other Agency Official Name:				Branch/Mail Code																																																									
(Signature)				Phone Number																																																									
(Date)				Fax Number																																																									
Contracting Official Name: Claudia M. Armstrong				Branch/Mail Code 3805R																																																									
(Signature) <i>[Signature]</i>				Phone Number 202-554-6679																																																									
(Date) 9/18/16				Fax Number 202-555-2557																																																									
Contractor Acknowledgement of Receipt and Approval of Workplan (Signature and Title)				Date: 9/28/15																																																									

Work Assignment Detailed Performance Work Statement

Work Assignment Title: Catchment Water Flow Modeling

Purpose:

The purpose of the work assignment is to produce catchment water flow models

Background:

N/A at this time. To be provided in subsequent technical clarification directive to follow.

Detailed Task Description:

The contractor shall perform the following tasks:

1. Data mine public domain sites (e.g. USGS, Google Earth) for the critical inputs to support the development of the model
2. Produce the catchment model in support of the specific question that needs to be addressed (e.g. gaining or losing stream; water flow and points of impact relative to fractured bedrock, karst flow, bedding-plane-controlled aquifers).
3. Subtasks are to be tracked and reported separately in the Monthly Invoice backup material relative to hours and dollars.
4. No sampling is anticipated for this WA.

Required Reports:

1. In conformance with the requirements of the SERAS contract, all environmental sampling and monitoring performed under this task shall be provided in an electronic data deliverable (EDD) form compatible with Scribe. The Scribe project data file shall be a mandatory deliverable.
2. In conformance with the requirements of the SERAS contract, all deliverables and other relevant project information shall be submitted in electronic format to the appropriate ERT-IMS website. Submission of deliverables to the appropriate ERT-IMS website shall be considered delivery to the WAM as of the date and time such deliverables are received on the website.
3. Provide: UFP QAPP

Schedule:

Models will be produced as requested and assigned in subtasks for tracking.
Model output complexity will determine deliverable dates.

Period of Performance:

Effective Date of Approval through:
9/22/16

EPA United States Environmental Protection Agency Washington, DC 20460 Work Assignment		Work Assignment Number 0-286	
		<input type="checkbox"/> Other <input type="checkbox"/> Amendment Number:	
Contract Number EP-W-09-031	Contract Period 09/23/2009 To 09/22/2016	Title of Work Assignment/SF Site Name Catchment Modeling	
Contractor Lockheed Martin Services, Inc.		Specify Section and paragraph of Contract SOW II, A, 4.1	
Purpose: <input checked="" type="checkbox"/> Work Assignment <input type="checkbox"/> Work Assignment Amendment <input type="checkbox"/> Work Plan Approval		<input type="checkbox"/> Work Assignment Close-Out <input type="checkbox"/> Incremental Funding Period of Performance From 09/24/2015 To 09/22/2016	
Comments: The purpose of this action is to initiate WA 0-286, entitled Catchment Modeling, with 153 LOE hours to begin work. The contractor shall prepare a work plan and cost estimate in accordance with the contract terms. All other terms and conditions remain unchanged.			
<input checked="" type="checkbox"/> Superfund		Accounting and Appropriations Data <input type="checkbox"/> Non-Superfund	
Note: To report additional accounting and appropriations data use EPA Form 1900-69A.			
SFO (Max 2) <input type="checkbox"/>			
Line	DCN (Max 6)	Budget/FY (Max 4)	Appropriation Code (Max 6)
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			Program Element (Max 9)
			Object Class (Max 4)
			Amount (Dollars)
			(Cents)
			Site/Project (Max 8)
			Cost Org/Code (Max 7)
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Authorized Work Assignment Ceiling			
Contract Period: 09/23/2009 To 09/22/2016		Cost/Fee: LOE: 0	
This Action:		153	
Total:		153	
Work Plan / Cost Estimate Approvals			
Contractor WP Dated:		Cost/Fee: LOE:	
Cumulative Approved:		Cost/Fee: LOE: 153	
Work Assignment Manager Name Don Bussey		Branch/Mail Code:	
(Signature) _____ (Date) _____		Phone Number 702-784-8016	
		FAX Number:	
Project Officer Name Sella Burchette		Branch/Mail Code:	
(Signature) _____ (Date) _____		Phone Number: 732-321-6726	
		FAX Number:	
Other Agency Official Name		Branch/Mail Code:	
(Signature) _____ (Date) _____		Phone Number:	
		FAX Number:	
Contracting Official Name Claudia Armstrong		Branch/Mail Code: 3022	
(Signature) <i>Claudia Armstrong</i> (Date) 9/18/15		Phone Number: 202-564-6679	
		FAX Number: 202-565-2557	

United States Environmental Protection Agency Washington, DC 20460 Work Assignment				Work Assignment Number SERAS-000 0-287																																																													
				<input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment Number:																																																													
Contract Number EP-W-09-031		Contract Period Base Award Term 2: X		Title of Work Assignment OLEM QA Support																																																													
Contractor: Lockheed Martin, Inc.			Specify Section and Paragraph of Contract SOW II.E.1.a, II.E.2, II.E.2.b, II.E.2.c																																																														
Purpose: <input checked="" type="checkbox"/> Work Assignment Initiation <input type="checkbox"/> Work Assignment Amendment <input type="checkbox"/> Work Plan Approval			<input type="checkbox"/> Work Assignment Close-Out <input type="checkbox"/> Incremental Funding <input type="checkbox"/> TCE update/approval		Periods of Performance: From: Effective Date of Approval To: 9/22/2016																																																												
Comments: New WA. QA support tasks to OLEM for the Quality Mgt. Program. LOE:																																																																	
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Cumulative Approved:		Cost/Fee:		LOE:																																																													
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Work Assignment Manager Name: Stephen Blaze				Branch/Mail Code MS-101																																																													
(Signature) (Date) 2/1/16				Phone Number 732-321-6740																																																													
				Fax Number 732-321-6724																																																													
Project Officer Name: Sella M. Burchette				Branch/Mail Code MS-101																																																													
(Signature) (Date) 2/1/16				Phone Number 732-321-6726																																																													
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Other Agency Official Name:				Branch/Mail Code																																																													
(Signature) _____ (Date) _____				Phone Number																																																													
				Fax Number																																																													
Contracting Official Name: Claudia M. Armstrong				Branch/Mail Code 3805R																																																													
(Signature) (Date) 2/25/16				Phone Number 202-584-6679																																																													
				Fax Number 202-565-2557																																																													
Contractor Acknowledgement of Receipt and Approval of Workplan (Signature and Title)				Date: 2/26/16																																																													

Work Assignment Detailed Performance Work Statement

Work Assignment Title: OLEM QA Support

Purpose:

To provide technical assistance and support to the ERT QA Coordinator in meeting the needs of the OLEM Quality Management System.

Background:

The US EPA mandates that all EPA organizations develop, implement and maintain a quality system that complies with the requirements of EPA Order CIO 2105.0, formerly EPA Order 5360.1 A2. In October 2008, The Chief Information Officer (CIO) issued a new Quality Policy, CIO 2106.0. The new Quality Policy amplifies CIO 2105.0 and establishes additional requirements for implementation of EPA Quality Systems. The new policy was implemented Agency-wide in February 2010.

The US EPA requires each organization to develop a Quality Management Plan (QMP). The QMP documents the organization's quality policy, describes its quality system, and identifies the environmental programs to which the quality system applies. The QMP is implemented following approval of the organization's executive leadership and the Assistant Administrator (AA) for the Office of Environmental Information (OEI)/ Chief Information Officer (CIO).

The US EPA's Office Land and Emergency Management (OLEM) has a need for analytic, meeting, and report writing support. OLEM has developed an electronic Quality Management Plan (eQMP) and is now in the process of implementing the overall Quality System process within OLEM and developing a communication plan to ensure that the OLEM overall Quality System is integrated with its stakeholders' related activities. The communications plan will involve updating and expanding the guidances, briefing materials, and other information needed by OLEM. OLEM also has need for developing and communicating other technical aspects of its program offices to its broader stakeholder community.

Detailed Task Description:

The contractor shall perform the following tasks:

1. Task 1: Oversee the WORK REQUEST by attending planning sessions and providing written reports as directed by the contract officer representative COR.

The contractor shall participate in meetings and phone calls to discuss the maintenance of the OLEM Quality Assurance Program Web pages. The series of meetings and phone calls will allow EPA and the contractor to scope out the specific activities to be undertaken and developing a work plan that will involve new materials being developed and posted to OLEM's web site as well as potential additional resources made available on the OLEM intranet. The frequency and duration of these meetings will be subject to the discretion of the COR.

The contractor shall provide written report as requested by the WORK REQUEST managers. No written reports are required by this WORK REQUEST beyond those specifically requested by the WORK REQUEST managers.

Task 2: Assist with the development of an OLEM Pre-Dissemination Review Process

In consultation with the lead OLEM Quality Assurance (QA) office – the Information Management and Data Quality Staff (IMDQS), the contractor shall work with the OLEM QA Managers (QAMs) to develop a pre-dissemination review (PDR) process and supporting materials. The contractor shall review relevant agency guidance documents and interview the program office QAMs and Information Management Officers (IMOs) to identify their needs and tailor the process to the program office needs. The contractor shall assist the program offices QAMs and IMOs with implementing the PDR process.

Deliverables 2.1: Review relevant agency guidance and OLEM Quality Pre-dissemination Review-related materials; interview the OLEM QAMs to gather feedback on the PDR process. Present findings and recommendations.

Due date: as specified by the COR

Deliverables 2.2: Develop an OLEM PDR process, check list and format materials/tools tailored to the program office needs.

Due date: as specified by the COR

Deliverable 2.3: Develop a flexible tracking system for use by OLEM offices to track their PDR processes and progress.

Deliverables 2.4: ZIP file containing the completed OLEM PDR materials and post new materials to the OLEM QA Program web site.

Due date: as specified by the COR

Task 3: Assist with the development of an OLEM Quality System Training Course for OLEM Technical Staff and Quality Assurance Managers

In consultation with IMDQS, the contractor shall develop and implement OLEM Quality System training courses as requested by the COR.

The contractor shall work with IMDQS and the OLEM QAMs to develop communication materials and an OLEM Quality System training courses. The Quality System training courses are intended to ensure that the relevant OLEM stakeholder community is aware of the improvements that OLEM has undertaken in its Quality System. OLEM will promote effective interactive communication with the regions and other stakeholders to allow feedback and process improvement for updating the training course.

In consultation with IMDQS, the contractor shall explore other creative uses of communications tools such as webinars, multiple listservs to reach different stakeholder communities, short fact sheets and identification/dissemination of program success stories and lessons learned to promote continuous improvement.

Deliverables 3.1: Develop, update, and format material/tools for new communications resources and materials for the OLEM Quality Assurance Program.

Due date: as specified by the COR

Deliverables 3.2: ZIP file containing the completed OLEM Quality System training course and post new QA materials to the OLEM intranet QA Program web site.

Due date: as specified by the COR

Task 4: Assist OLEM program offices with the Implementation of the Quality Assurance Field Activities Procedures

In consultation with IMDQS, the contractor shall work with the OLEM QA community in supporting the Implementation of the Quality Assurance Field Activities Procedures (QAFAP), formerly known as Field Operation Guidelines (FOG), where applicable. The contractor shall evaluate training options for OLEM.

Deliverables 4.1: As directed by the COR, review and analyze the QAFAP Standard Operating Procedures (SOPs); interview the OLEM offices and selective discussions with knowledgeable regional staff. Gather feedback on the current QAFAP process from the OSRTI and other sources. Present findings and recommendations to improve process.

Due date: as specified by the COR

Deliverables 4.2: MS Word version of findings and recommendations

Due date: as specified by the COR

Task 5: Provide Meeting/Conference Call Support and Development of Draft Issue Papers as Needed

Deliverables 5.1: Provide support to OLEM Quality Assurance Manager conference calls, including draft agenda topics, draft discussion papers, meeting notes, etc.

Due date: as specified by the COR

Deliverables 5.2.: Under direction from EPA COR, prepare draft papers, reports, or PPTs and other communications.

Due date: as specified by the COR

Deliverables 5.3: Draft analyses and responses under the direction of the COR to address evaluations and audits relevant to the OLEM QA program.

Due date: as specified by the COR

Deliverables 5.4: Review and analyze draft OLEM Office QAARWPs for consistency with Agency and OLEM guidance and prepare draft comments at the request of the COR

Due date: as specified by the COR

6. Provide Webinar Support

Deliverable 6.1: Assist OLEM in organizing webinar presentations and discussions. Provide the necessary support to plan and organize webinars to communicate OLEM program office materials and relevant experts' information to assist the broader OLEM stakeholder community in understanding the OLEM mission and how to implement environmental and public health protective practices.

Due date: as specified by the COR

Deliverable 6.2: Assist OLEM in the conduct of webinar presentations. Provide OLEM offices with the technical support in preparing for and conducting relevant webinar training and information series. Work with presenters to prepare them for the webinar process and conduct the technical aspects of webinar operations so that the presentations are effectively run and understood by the stakeholders.

Due date: as specified by the COR

Deliverable 6.3: Assist OLEM in the archival and follow up to webinars. Support OLEM in ensuring that the webinars are recorded effectively so that they can be archived and retrieved in the future by the stakeholder community. Maintain a listserv of relevant stakeholders to communicate the available materials and to alert them to upcoming webinars of interest.

Due date: as specified by the COR

7. Provide Analytic Support

Deliverable 7.1 Support Analytic Needs for Priority OLEM Tasks. Respond to OLEM critical needs to review, analyze, or prepare technical and/or stakeholder program materials to support the overall OLEM mission.

Due date: as specified by the COR

Required Reports:

1. In conformance with the requirements of the SERAS contract, all environmental sampling and monitoring performed under this task shall be provided in an electronic data deliverable (EDD) form compatible with Scribe. The Scribe project data file shall be a mandatory deliverable.
2. In conformance with the requirements of the SERAS contract, all deliverables and other relevant project information shall be submitted in electronic format to the appropriate ERT-IMS website. Submission of deliverables to the appropriate ERT-IMS website shall be considered delivery to the WAM as of the date and time such deliverables are received on the website.
3. Provide: UFP QAPP

Schedule:

Support provided as needed when requested through 9/22/16.

Period of Performance:

Effective Date of Approval through:

9/22/16

United States Environmental Protection Agency Washington, DC 20460 Work Assignment						Work Assignment Number: 288-0-288 <input checked="" type="checkbox"/> Original <input type="checkbox"/> Amendment Number:																																																															
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Contracting Official Name: Claudia M. Armstrong						Branch/Mail Code 3805R																																																															
(Signature) <i>[Signature]</i> (Date) 2/24/16						Phone Number 202-564-6679																																																															
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Thursday, February-11-16

SERAS
EP-W-09-031
Statement of Work
Mattiace Superfund Site
Long Island, New York
WA-288

Objective:

Investigate commercial buildings for VOCs as to Vapor Intrusion (VI). N.B., COCs include chlorinated, BTEX, and other VOCs (TO-15). Assume a total of 45 cans.

Background:

See REAC Site reports

DQO1: Conduct vapor sampling to evaluate if risk levels have exceeded EPA benchmarks for VOCs in the SS and/or IA to the selected bldgs.

Action Statement: Data shall be provided to the Region's risk assessor and management for evaluation.

Task Description:

The contractor shall perform the following:

Task 1 (Pre-field work):

- TL shall meet with WAM at a scoping meeting;
- SERAS shall generate a WP, UFQAPP, and HASP for the Site (Note: there are old REAC WPs, QAPPs, HSPs and reports; please make use of them);

Task 2 (Slab Sampling):

- SERAS shall perform VI sampling underneath SS of commercial bldg;
- SERAS shall be prepared to install ports in the bldgs as required;
- SERAS shall be screen SS ports with ppb PIDs if no historical data exists to protect lab;
- SERAS shall comply with the SERAS normal SOP as to slab VI sampling;
- SERAS shall use individually certified slab-cans and orify, which are certified to 0.02 ppbv or 20 pptv (Scan) or lower;
- All ambient cans **Final Reporting Limits (FRL)** shall not exceed 0.020 or 20-pptv (SIM) or lower;
- Slab cans shall have a FRL not to exceed 0.02-ppbv or 20-pptv, or lower;
- Full TO-15 shall be reported out;

- Turn around time for indoor air cans prelim data shall not exceed 7 days;
- Validate can data within 15 working days of receipt of prelim package;
- All concentrations shall be reported as $\mu\text{g}/\text{m}^3$ and ppbv or pptv in text as well as tables; if only one unit is used it shall be $\mu\text{g}/\text{m}^3$;

Task 3: (IA Sampling)

- SERAS shall perform IA VI sampling assume bldgs. plus QA/QC (note number will be more defined prior to deployment);
- SERAS shall survey for indoor air products and remove as necessary;
- SERAS shall use individually certified IA cans and orify, which are certified to 20 pptv (SIM);
- Amb-cans shall be set out each day of sampling;
- All indoor air and ambient cans **Final Reporting Limits shall not exceed 20 pptv (SIM)**;
- **Full TO-15 shall be reported out;**
- Turn around time for IA cans prelim data shall not exceed 7 days;
- Validate IA can data within 15 working days of receipt of prelim package;
- All concentrations shall be reported as $\mu\text{g}/\text{m}^3$ and ppbv or pptv in text as well as tables; if only one unit is used it shall be $\mu\text{g}/\text{m}^3$ (preferred);
- Contractor shall use Scribe to scan the can data for exceedances.

Task 4

- SERAS shall submit Final Report (text, map, figures & tables);
- SERAS shall provide CD copys of Report in format that WAM has requested in the past i.e., separate pdf files.

Required Reports:

A Report shall be received by the ERT WAM 10 working weeks after validated data is received by SERAS. SERAS shall incorporate ERT's comments and submit a finalized Report no later than 10 days after receipt of ERT's comments. Along with the standard items, the Report shall include an executive summary, concise text review of data, and graphical presentation of all COCs and other essential items.

In conformance with the requirements of the SERAS contract, all environmental sampling and monitoring performed under this task shall be provided in an electronic data deliverable (EDD) form compatible with Scribe. The Scribe project data file shall be a mandatory deliverable.

In conformance with the requirements of the SERAS contract, all deliverables and other relevant project information shall be submitted in electronic format to the appropriate ERT-IMS website. Submission of deliverables to the appropriate ERT-IMS website shall be considered delivery to the WAM as of the date and time such deliverables are received on the website.

Site Specific UFQAPP.

Schedule:

Sampling shall commence on later than the week of April 4, 2016, 9:00AM.

Sampling shall be completed within 3-4 working days.

Preliminary data shall be provided to WAM 7 working days from receipt of samples.

Final data shall be provided to WAM 17 working days from receipt of samples.

Draft Final Report shall be submitted to WAM 30 working days from receipt of samples.

Final Report shall be submitted 5 working days after receipt of any comments.

Period of Performance:

-Effective date of approval through Sept 2016.

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Contractor: Lockheed Martin, Inc.						Specify Section and Paragraph of Contract SOW II.B																																																															
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Comments: New WA: Support R2 during response to industrial park warehouse fire - air monitoring & sampling. LOE:																																																																					
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Work Assignment Detailed Performance Work Statement

Work Assignment Title: Veterans Industrial Park Fire

Purpose:

This work assignment is for air monitoring and sampling to be performed at the Veterans Industrial Park Fire Emergency Response in Hillsborough, NJ (Region 2).

Background:

At 1700hrs on February 12th, 2016, Region 2 tasked ERT/SERAS to perform air monitoring and sampling at the Veterans Industrial Park Fire in Hillsborough, NJ. ERT/SERAS was tasked with air monitoring for VOCs and Particulates and to utilize their Viper Data Management System. They were also tasked with taking air samples for VOCs at the site.

Detailed Task Description:

The contractor shall perform the following tasks:

1. Set up seven (7) air monitoring locations through-out Hillsborough and Manville as identified by Region 2 OSCs, NJ DEP and/or ERT WAMs.
2. Have those seven (7) air monitoring locations monitor for VOCs and Particulates (AreaRAEs and DataRAMs) and have that data on ERT's Viper Data Management System with alarms for VOCs and Particulates with alarm values to be determined by Region 2 OSCs, NJ DEP and/or ERT WAMs.
3. Set up three (3) Summa Canister air sampling locations, one (1) background and two (2) out in the monitoring area to be analyzed by at the SERAS Laboratory for TO-15 compounds.
4. Continue to monitor and keep monitoring locations functioning until demobilized by Region 2 OSCs, NJ DEP and/or ERT WAMs.

Required Reports:

1. In conformance with the requirements of the SERAS contract, all environmental sampling and monitoring performed under this task shall be provided in an electronic data deliverable (EDD) form compatible with Scribe. The Scribe project data file shall be a mandatory deliverable.
2. In conformance with the requirements of the SERAS contract, all deliverables and other relevant project information shall be submitted in electronic format to the appropriate ERT-IMS website. Submission of deliverables to the appropriate ERT-IMS website shall be considered delivery to the WAM as of the date and time such deliverables are received on the website.
3. Provide: UFP QAPP

Schedule:

Two (2) Air Team Members on Site 24 hours a day until demobilized by Region 2 OSCs, NJ DEP and/or ERT WAMs starting February 11th, 2016. (~1700hrs February 11th until ~1400hrs February 13th)

Period of Performance:

Effective Date of Approval through:

9/22/16

